

## WHAT IS CLAIMED IS:

## 1. A compound of Formula I:



I

5 or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;

M is a 3-10 membered carbocycle or a 4-10 membered heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from O, S(O)<sub>p</sub>, N, and NZ<sup>2</sup>;

ring M is substituted with 0-3 R<sup>1a</sup> and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

10 P is fused onto ring M and is a 5, 6, or 7 membered carbocycle or a 5, 6, or 7 membered heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from O, S(O)<sub>p</sub>, and N;

ring P is substituted with 0-3 R<sup>1a</sup> and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

15 alternatively, ring P is absent and P<sub>4</sub> is directly attached to ring M, provided that when ring P is absent, P<sub>4</sub> and M<sub>4</sub> are attached to the 1,2, 1,3, or 1,4 positions of ring M;

one of P<sub>4</sub> and M<sub>4</sub> is -Z-A-B and the other -G<sub>1</sub>-G;

G is a group of formula IIa or IIb:

20



ring D, including the two atoms of Ring E to which it is attached, is a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

ring D is substituted with 0-2 R and there are 0-3 ring double bonds;

E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and is substituted with 1-3 R;

alternatively, ring D is absent and ring E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, pyridazinyl, pyrrolyl, pyrazolyl, imidazolyl, isoxazolyl, oxazolyl, triazolyl, thienyl, and thiazolyl, and ring E is substituted with 1-3 R;

alternatively, ring D is absent and ring E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, pyridazinyl, pyrrolyl, pyrazolyl, imidazolyl, isoxazolyl, oxazolyl, triazolyl, thienyl, and thiazolyl, and ring E is substituted with 1 R and with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected 5 from the group consisting of N, O, and S(O)<sub>p</sub>, wherein the 5-6 membered heterocycle is substituted with 0-2 carbonyls and 1-2 R and there are 0-3 ring double bonds;

R is selected from H, C<sub>1-4</sub> alkyl, F, Cl, Br, I, OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, OCH(CH<sub>3</sub>)<sub>2</sub>, OCH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, -CN, NH<sub>2</sub>, NH(C<sub>1-3</sub> alkyl), N(C<sub>1-3</sub> alkyl)<sub>2</sub>, C(=NH)NH<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>,  
10 CH<sub>2</sub>CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), CH<sub>2</sub>CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>, C(=NR<sup>8</sup>)NR<sup>7</sup>R<sup>9</sup>, NHC(=NR<sup>8</sup>)NR<sup>7</sup>R<sup>9</sup>, ONHC(=NR<sup>8</sup>)NR<sup>7</sup>R<sup>9</sup>, NR<sup>8</sup>CH(=NR<sup>7</sup>), (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>C(O)H,  
(CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>C(O)R<sup>2c</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>NR<sup>7</sup>R<sup>8</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>C(O)NR<sup>7</sup>R<sup>8</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>NR<sup>7</sup>C(O)R<sup>7</sup>,  
(CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>OR<sup>3</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>NR<sup>7</sup>S(O)<sub>p</sub>R<sup>7</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>SR<sup>3</sup>,  
(CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>S(O)R<sup>3</sup>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>S(O)<sub>2</sub>R<sup>3</sup>, and OCF<sub>3</sub>;

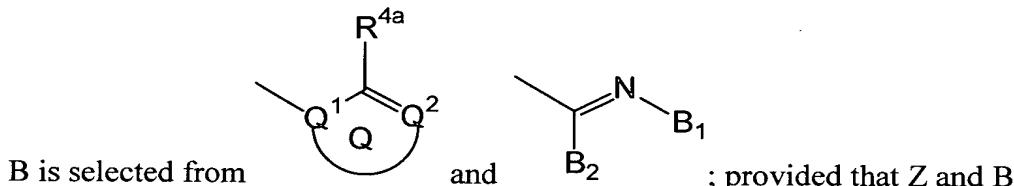
15 alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

A is selected from:

C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4</sup>, and

5-12 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms

20 selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4</sup>;



are attached to different atoms on A and that the R<sup>4a</sup> shown is other than OH;

Q<sup>1</sup> and Q<sup>2</sup> are each N;

alternatively, one of Q<sup>1</sup> and Q<sup>2</sup> is CR<sup>3</sup> and R<sup>4a</sup> is NR<sup>2</sup>R<sup>2a</sup> or NR<sup>3a</sup>B<sub>1</sub>,

25 provided that when one of Q<sup>1</sup> and Q<sup>2</sup> is CR<sup>3</sup>, then this R<sup>3</sup> group optionally forms a ring with the R<sup>2</sup> group of R<sup>4a</sup>, this ring is a 5-6 membered ring consisting of, in addition to the C-C-N shown, carbon atoms and from 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-1 R<sup>5</sup>;

ring Q is a 5-8 membered ring consisting of, in addition to the  $Q^1-CR^{4a}=Q^2$  group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and the ring is substituted with an additional 0-2 R<sup>4a</sup>;

5       $B_1$  is selected from  $SO_2R^{3b}$ ,  $C(O)R^{3b}$ ,  $SO_2NR^{3b}R^{3b}$ ,  $C(O)NR^{3b}R^{3b}$ ,  $OR^2$ ,  $SR^2$ , -CN, and  $NO_2$ ;

$B_2$  is  $NR^2R^{2d}$  or  $CR^3R^2R^{2d}$ ;

    alternatively,  $CR^3R^2R^{2d}$  forms a 5-8 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup>;

10     alternatively,  $NR^2R^{2d}$  forms a 5-8 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup>;

    alternatively, when  $B_1$  is  $SO_2R^{3b}$  and  $B_2$  is  $NR^2R^{2d}$ , R<sup>3b</sup> and R<sup>2d</sup> combine to form a 5-8 membered ring consisting of: carbon atoms and 0-2 additional

15     heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup>;

    alternatively, when  $B_1$  is  $C(O)R^{3b}$  and  $B_2$  is  $NR^2R^{2d}$ , R<sup>3b</sup> and R<sup>2d</sup> combine to form a 5-8 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup>;

20     alternatively, when  $B_2$  is  $NR^2R^{2d}$ ,  $B_1$  and R<sup>2d</sup> combine to form a 5-8 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup> and the R<sup>2</sup> group of  $NR^2R^{2d}$ , in addition to the groups recited below, is selected from  $SO_2R^{3b}$ ,  $C(O)R^{3b}$ , and -CN;

$G_1$  is absent or is selected from  $(CR^3R^{3a})_{1-5}$ ,

25      $(CR^3R^{3a})_{0-2}CR^3=CR^3(CR^3R^{3a})_{0-2}$ ,  $(CR^3R^{3a})_{0-2}C\equiv C(CR^3R^{3a})_{0-2}$ ,  
 $(CR^3R^{3a})_uC(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uC(O)O(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uOC(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uO(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}C(O)O(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_uNR^{3b} C(O)NR^{3b}$  ( $CR^3R^{3a}$ )<sub>w</sub>,  $(CR^3R^{3a})_uNR^{3b} C(S)NR^{3b}$  ( $CR^3R^{3a}$ )<sub>w</sub>,  
 $(CR^3R^{3a})_uS(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uS(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uS(O)_2(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uS(O)NR^{3b}$  ( $CR^3R^{3a}$ )<sub>w</sub>,  $(CR^3R^{3a})_uNR^{3b} S(O)_2(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uS(O)_2NR^{3b}$  ( $CR^3R^{3a}$ )<sub>w</sub>,  $(CR^3R^{3a})_uNR^{3b} S(O)_2NR^{3b}$  ( $CR^3R^{3a}$ )<sub>w</sub>,  
5  $(CR^3R^{3a})_uNR^{3e}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uC(O)(CR^3R^{3a})_uC(O)(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uNR^{3b}(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_uC(O)(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uC(O)(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  
10  $(CR^3R^{3a})_uS(O)NR^{3b}C(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uC(O)NR^{3b}S(O)_2(CR^3R^{3a})_w$ , and  
 $(CR^3R^{3a})_uS(O)_2NR^{3b}C(O)NR^{3b}CR^3R^{3a})_w$ , wherein u+w or u+u+w total 0, 1, 2, 3, or  
4, and the right side of  $G_1$  is attached to G, provided that  $G_1$  does not form a N-S,  
NCH<sub>2</sub>N, NCH<sub>2</sub>O, or NCH<sub>2</sub>S bond with either group to which it is attached;  
Z is selected from a bond,  $-(CR^3R^{3e})_{1-4-}$ ,  $(CR^3R^{3e})_qO(CR^3R^{3e})_{q1}$ ,  
15  $(CR^3R^{3e})_qNR^{3b}(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qC(O)(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qC(O)O(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qOC(O)(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qC(O)NR^{3b}(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qNR^{3b}C(O)(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qOC(O)O(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qOC(O)NR^{3b}(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qNR^{3b}C(O)O(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qNR^{3b}C(O)NR^{3b}(CR^3R^{3e})_{q1}$ ,  
20  $(CR^3R^{3e})_qC(O)(CR^3R^{3e})_qC(O)(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qNR^{3b}(CR^3R^{3e})_qC(O)NR^{3b}(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qNR^{3b}C(O)(CR^3R^{3e})_qC(O)(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qC(O)(CR^3R^{3e})_qC(O)NR^{3b}(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qNR^{3b}C(O)(CR^3R^{3e})_qC(O)NR^{3b}(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qS(CR^3R^{3e})_{q1}$ ,  
25  $(CR^3R^{3e})_qS(O)(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qS(O)_2(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qSO_2NR^{3b}(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qNR^{3b}SO_2(CR^3R^{3e})_{q1}$ ,  
 $(CR^3R^{3e})_qS(O)NR^{3b}C(O)(CR^3R^{3e})_{q1}$ ,  $(CR^3R^{3e})_qC(O)NR^{3b}S(O)_2(CR^3R^{3e})_{q1}$ , and  
 $(CR^3R^{3e})_qNR^{3b}SO_2NR^{3b}(CR^3R^{3e})_{q1}$ , wherein q+q1 or q+q+q1 total 0, 1, 2, 3, or 4,

and the right side of Z is attached to A, provided that Z does not form a N-S, NCH<sub>2</sub>N, NCH<sub>2</sub>O, or NCH<sub>2</sub>S bond with either group to which it is attached;

Z<sup>2</sup> is selected from H, S(O)<sub>2</sub>NHR<sup>3b</sup>, C(O)R<sup>3b</sup>, C(O)NHR<sup>3b</sup>, C(O)OR<sup>3f</sup>, S(O)R<sup>3f</sup>, S(O)<sub>2</sub>R<sup>3f</sup>, C<sub>1-6</sub> alkyl substituted with 0-2 R<sup>1a</sup>, C<sub>2-6</sub> alkenyl substituted with 5 0-2 R<sup>1a</sup>, C<sub>2-6</sub> alkynyl substituted with 0-2 R<sup>1a</sup>, -(C<sub>0-4</sub> alkyl)-C<sub>3-10</sub> carbocycle substituted with 0-3 R<sup>1a</sup>, and -(C<sub>0-4</sub> alkyl)-5-10 membered heterocycle substituted with 0-3 R<sup>1a</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>1a</sup>, at each occurrence, is selected from H, -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>,  
 10 -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-CR<sup>3</sup>R<sup>1b</sup>R<sup>1b</sup>, -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-O-(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>,  
 -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-NR<sup>2</sup>-(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>, -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-S(O)<sub>p</sub>-(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>,  
 -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-CO<sub>2</sub>-(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>, -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-C(O)NR<sup>2</sup>-(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>,  
 -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-C(O)-(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-R<sup>1b</sup>, -C<sub>2-6</sub> alkenylene-R<sup>1b</sup>, -C<sub>2-6</sub> alkynylene-R<sup>1b</sup>, and  
 15 -(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>-C(=NR<sup>1b</sup>)NR<sup>3</sup>R<sup>1b</sup>, provided that R<sup>1a</sup> forms other than an N-halo, N-S, O-O, or N-CN bond;

alternatively, when two R<sup>1a</sup> groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, this ring being substituted with 0-2 R<sup>4b</sup> and 0-3 ring double bonds;

R<sup>1b</sup> is selected from H, C<sub>1-3</sub> alkyl, F, Cl, Br, I, -CN, -NO<sub>2</sub>, -CHO, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
 (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>OR<sup>2</sup>, NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CO<sub>2</sub>R<sup>2b</sup>, OC(O)R<sup>2</sup>, CH(CH<sub>2</sub>OR<sup>2</sup>)<sub>2</sub>,  
 (CF<sub>2</sub>)<sub>r</sub>CO<sub>2</sub>R<sup>2a</sup>, S(O)<sub>p</sub>R<sup>2b</sup>, NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, C(=NR<sup>2c</sup>)NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>,  
 NR<sup>2</sup>C(O)NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>C(O)<sub>2</sub>R<sup>2a</sup>, OC(O)NR<sup>2</sup>R<sup>2a</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>,  
 C(O)NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>2</sup>, C(O)NR<sup>2</sup>SO<sub>2</sub>R<sup>2</sup>, C<sub>3-6</sub> carbocycle  
 25 substituted with 0-2 R<sup>4b</sup>, and 5-10 membered heterocycle substituted with 0-2 R<sup>4b</sup> and consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, provided that R<sup>1b</sup> forms other than an O-O, N-halo, N-S, or N-CN bond;

$R^2$ , at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-6</sub> alkyl, -(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and -(CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

5         $R^{2a}$ , at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-6</sub> alkyl, -(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and -(CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

10      alternatively, NR<sup>2</sup>R<sup>2a</sup> forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2 R<sup>4b</sup> and consisting of: carbon atoms, the nitrogen atom to which R<sup>2</sup> and R<sup>2a</sup> are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

15       $R^{2b}$ , at each occurrence, is selected from CF<sub>3</sub>, C<sub>1-4</sub> alkoxy substituted with 0-2 R<sup>4b</sup>, C<sub>1-6</sub> alkyl substituted with 0-2 R<sup>4b</sup>, -(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and -(CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

20       $R^{2c}$ , at each occurrence, is selected from CF<sub>3</sub>, OH, C<sub>1-4</sub> alkoxy, C<sub>1-6</sub> alkyl, -(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and -(CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

25       $R^{2d}$ , at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-4</sub> alkoxy substituted with 0-2 R<sup>4b</sup>, C<sub>1-6</sub> alkyl substituted with 0-2 R<sup>4b</sup>, -(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and -(CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

$R^3$ , at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl, and phenyl;

$R^{3a}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , benzyl, and phenyl;

alternatively,  $NR^3R^{3a}$  forms a 5 or 6 membered saturated, partially  
5 unsaturated, or unsaturated ring consisting of: carbon atoms, the nitrogen atom to  
which  $R^3$  and  $R^{3a}$  are attached, and 0-1 additional heteroatoms selected from the  
group consisting of N, O, and  $S(O)_p$ ;

$R^{3b}$ , at each occurrence, is selected from H,  $CF_3$ ,  $C_{1-6}$  alkyl substituted with  
0-2  $R^{1a}$ ,  $C_{2-6}$  alkenyl substituted with 0-2  $R^{1a}$ ,  $C_{2-6}$  alkynyl substituted with 0-2  $R^{1a}$ ,  
10 - $(C_{0-4}$  alkyl)-5-10 membered carbocycle substituted with 0-3  $R^{1a}$ , and - $(C_{0-4}$  alkyl)-  
5-10 membered heterocycle substituted with 0-3  $R^{1a}$  and consisting of: carbon atoms  
and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

$R^{3c}$ , at each occurrence, is selected from  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  
 $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , benzyl,  
15 and phenyl;

$R^{3d}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  
 $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C_{1-4}$  alkyl-phenyl,  
and  $C(=O)R^{3c}$ ;

$R^{3e}$ , at each occurrence, is selected from H,  $SO_2NHR^3$ ,  $SO_2NR^3R^3$ ,  $C(O)R^3$ ,  
20  $C(O)NHR^3$ ,  $C(O)OR^{3f}$ ,  $S(O)R^{3f}$ ,  $S(O)_2R^{3f}$ ,  $C_{1-6}$  alkyl substituted with 0-2  $R^{1a}$ ,  $C_{2-6}$   
alkenyl substituted with 0-2  $R^{1a}$ ,  $C_{2-6}$  alkynyl substituted with 0-2  $R^{1a}$ , - $(C_{0-4}$  alkyl)-  
5-10 membered carbocycle substituted with 0-3  $R^{1a}$ , and - $(C_{0-4}$  alkyl)-5-10  
membered heterocycle substituted with 0-3  $R^{1a}$  and consisting of: carbon atoms and  
1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

$R^{3f}$ , at each occurrence, is selected from:  $C_{1-6}$  alkyl substituted with 0-2  $R^{1a}$ ,  
 $C_{2-6}$  alkenyl substituted with 0-2  $R^{1a}$ ,  $C_{2-6}$  alkynyl substituted with 0-2  $R^{1a}$ , - $(C_{0-4}$   
alkyl)-5-10 membered carbocycle substituted with 0-3  $R^{1a}$ , and - $(C_{0-4}$  alkyl)-5-10  
membered heterocycle substituted with 0-3  $R^{1a}$  and consisting of: carbon atoms and  
1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

$R^4$ , at each occurrence, is selected from H, =O,  $(CR^3R^{3a})_rOR^2$ , F, Cl, Br, I, C<sub>1-4</sub> alkyl,  $(CR^3R^{3a})_rCN$ ,  $(CR^3R^{3a})_rNO_2$ ,  $(CR^3R^{3a})_rNR^2R^{2a}$ ,  $(CR^3R^{3a})_rC(O)R^{2c}$ ,  $(CR^3R^{3a})_rNR^2C(O)R^{2b}$ ,  $(CR^3R^{3a})_rC(O)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNR^2C(O)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rC(=NR^2)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rC(=NS(O)_2R^5)NR^2R^{2a}$ ,

5  $(CR^3R^{3a})_rNHC(=NR^2)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rC(O)NHC(=NR^2)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rSO_2NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNR^2SO_2NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNR^2SO_2-C_{1-4}$  alkyl,  $(CR^3R^{3a})_rNR^2SO_2R^5$ ,  $(CR^3R^{3a})_rS(O)_pR^{5a}$ ,  $(CR^3R^{3a})_r(CF_2)_rCF_3$ ,  $NHCH_2R^{1b}$ ,  $OCH_2R^{1b}$ ,  $SCH_2R^{1b}$ ,  $NH(CH_2)_2(CH_2)_tR^{1b}$ ,  $O(CH_2)_2(CH_2)_tR^{1b}$ ,  $S(CH_2)_2(CH_2)_tR^{1b}$ ,  $(CR^3R^{3a})_r-5-6$  membered carbocycle substituted with 0-1  $R^5$ , and a  $(CR^3R^{3a})_r-5-6$

10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1  $R^5$ ;

$R^{4a}$ , at each occurrence, is selected from H,  $(CR^3R^{3a})_rOR^2$ ,  $(CR^3R^{3a})_rF$ ,  $(CR^3R^{3a})_rBr$ ,  $(CR^3R^{3a})_rCl$ , C<sub>1-4</sub> alkyl,  $(CR^3R^{3a})_rCN$ ,  $(CR^3R^{3a})_rNO_2$ ,  $(CR^3R^{3a})_rNR^2R^{2a}$ ,  $(CR^3R^{3a})_rC(O)R^{2c}$ ,  $(CR^3R^{3a})_rNR^2C(O)R^{2b}$ ,

15  $(CR^3R^{3a})_rC(O)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rN=CHOR^3$ ,  $(CR^3R^{3a})_rC(O)NH(CH_2)_2NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNR^2C(O)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rC(=NR^2)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNHC(=NR^2)NR^2R^{2a}$ ,  $(CR^3R^{3a})_rSO_2NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNR^2SO_2NR^2R^{2a}$ ,  $(CR^3R^{3a})_rNR^2SO_2-C_{1-4}$  alkyl,  $(CR^3R^{3a})_rC(O)NHSO_2-C_{1-4}$  alkyl,  $(CR^3R^{3a})_rNR^2SO_2R^5$ ,  $(CR^3R^{3a})_rS(O)_pR^{5a}$ ,  $(CR^3R^{3a})_r(CF_2)_rCF_3$ ,  $(CR^3R^{3a})_r-5-6$

20 membered carbocycle substituted with 0-1  $R^5$ , and a  $(CR^3R^{3a})_r-5-6$  membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1  $R^5$ ;

$R^{4b}$ , at each occurrence, is selected from H, =O,  $(CH_2)_rOR^3$ ,  $(CH_2)_rF$ ,  $(CH_2)_rCl$ ,  $(CH_2)_rBr$ ,  $(CH_2)_rI$ , C<sub>1-4</sub> alkyl,  $(CH_2)_rCN$ ,  $(CH_2)_rNO_2$ ,  $(CH_2)_rNR^3R^{3a}$ ,  $(CH_2)_rC(O)R^3$ ,  $(CH_2)_rC(O)OR^{3c}$ ,  $(CH_2)_rNR^3C(O)R^{3a}$ ,  $(CH_2)_rC(O)NR^3R^{3a}$ ,  $(CH_2)_rNR^3C(O)NR^3R^{3a}$ ,  $(CH_2)_rC(=NR^3)NR^3R^{3a}$ ,  $(CH_2)_rNR^3C(=NR^3)NR^3R^{3a}$ ,  $(CH_2)_rSO_2NR^3R^{3a}$ ,  $(CH_2)_rNR^3SO_2NR^3R^{3a}$ ,  $(CH_2)_rNR^3SO_2-C_{1-4}$  alkyl,  $(CH_2)_rNR^3SO_2CF_3$ ,  $(CH_2)_rNR^3SO_2$ -phenyl,  $(CH_2)_rS(O)_pCF_3$ ,  $(CH_2)_rS(O)_p-C_{1-4}$  alkyl,  $(CH_2)_rS(O)_p$ -phenyl, and  $(CH_2)_r(CF_2)_rCF_3$ ;

$R^5$ , at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, =O, (CH<sub>2</sub>)<sub>r</sub>OR<sup>3</sup>, F, Cl, Br, I, -CN, NO<sub>2</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>R<sup>3a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>3</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(O)NR<sup>3</sup>R<sup>3a</sup>, CH(=NOR<sup>3d</sup>), C(=NR<sup>3</sup>)NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(=NR<sup>3</sup>)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl,

5 NR<sup>3</sup>SO<sub>2</sub>CF<sub>3</sub>, NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>p</sub>CF<sub>3</sub>, S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, S(O)<sub>p</sub>-phenyl, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, phenyl substituted with 0-2 R<sup>6</sup>, naphthyl substituted with 0-2 R<sup>6</sup>, and benzyl substituted with 0-2 R<sup>6</sup>;

$R^{5a}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>OR<sup>3</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>R<sup>3a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>3</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>3c</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3</sup>C(O)R<sup>3a</sup>,

10 (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>3</sup>R<sup>3a</sup>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, phenyl substituted with 0-2 R<sup>6</sup>, naphthyl substituted with 0-2 R<sup>6</sup>, and benzyl substituted with 0-2 R<sup>6</sup>, provided that R<sup>5a</sup> does not form a S-N or S(O)<sub>p</sub>-C(O) bond;

$R^6$ , at each occurrence, is selected from H, OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, halo, C<sub>1-4</sub> alkyl, -CN, NO<sub>2</sub>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>2</sup>R<sup>2a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)NR<sup>2</sup>R<sup>2a</sup>,

15 C(=NH)NH<sub>2</sub>, NHC(=NH)NH<sub>2</sub>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, and NR<sup>2</sup>SO<sub>2</sub>C<sub>1-4</sub> alkyl;

$R^7$ , at each occurrence, is selected from H, OH, C<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkyl-C(O)-, C<sub>1-6</sub> alkyl-O-, (CH<sub>2</sub>)<sub>n</sub>-phenyl, C<sub>1-6</sub> alkyl-S(O)<sub>2</sub>-, C(O)NH<sub>2</sub>, C(O)NH-C<sub>1-4</sub> alkyl, C(O)N(C<sub>1-4</sub> alkyl)<sub>2</sub>, C<sub>1-4</sub> alkyl-OC(O)-, C<sub>6-10</sub> aryl-O-, C<sub>6-10</sub> aryl-OC(O)-, C<sub>6-10</sub> aryl-

20 CH<sub>2</sub>C(O)-, C<sub>1-4</sub> alkyl-C(O)O-C<sub>1-4</sub> alkyl-OC(O)-, C<sub>6-10</sub> aryl-C(O)O-C<sub>1-4</sub> alkyl-OC(O)-, C<sub>1-6</sub> alkyl-NH<sub>2</sub>-C(O)-, phenyl-NH<sub>2</sub>-C(O)-, and phenyl-C<sub>1-4</sub> alkyl-C(O)-;

$R^8$ , at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and (CH<sub>2</sub>)<sub>n</sub>-phenyl; alternatively, NR<sup>7</sup>R<sup>8</sup> forms a 5-10 membered heterocyclic ring consisting of carbon atoms and 0-2 additional heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

$R^9$ , at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and (CH<sub>2</sub>)<sub>n</sub>-phenyl;

n, at each occurrence, is selected from 0, 1, 2, and 3;

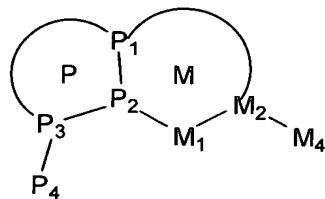
p, at each occurrence, is selected from 0, 1, and 2;

r, at each occurrence, is selected from 0, 1, 2, 3, 4, 5, and 6;

30 r1, at each occurrence, is selected from 1, 2, 3, 4, 5, and 6; and

t, at each occurrence, is selected from 0, 1, 2, and 3.

2. A compound according to Claim 1, wherein the compound is of Formula II:



5

II

or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;  
ring M, including P<sub>1</sub>, P<sub>2</sub>, M<sub>1</sub>, and M<sub>2</sub>, is a 5, 6, or 7 membered carbocycle or a  
5, 6, or 7 membered heterocycle, consisting of: carbon atoms and 1-3 heteroatoms  
selected from O, S(O)<sub>p</sub>, N, and NZ<sup>2</sup>;

10 ring M is substituted with 0-2 R<sup>1a</sup> and 0-2 carbonyl groups, and there are 0-3  
ring double bonds;

ring P, including P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>, is a 5 or 6 membered aromatic or dihydro-  
aromatic heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from  
O, S(O)<sub>p</sub>, and N;

15 ring P is substituted with 0-2 R<sup>1a</sup>;  
one of P<sub>4</sub> and M<sub>4</sub> is -Z-A-B and the other -G<sub>1</sub>-G;  
G is a group of formula IIa or IIb:



IIa

IIb

20 ring D, including the two atoms of Ring E to which it is attached, is a 5-6  
membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the  
group consisting of N, O, and S(O)<sub>p</sub>;

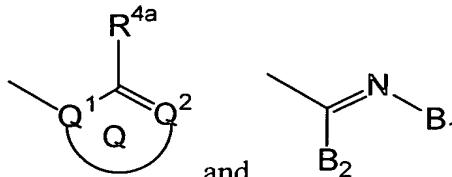
ring D is substituted with 0-2 R and there are 0-3 ring double bonds;  
E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and  
25 is substituted with 1-3 R;  
alternatively, ring D is absent, and ring E is selected from phenyl, pyridyl,  
pyrimidyl, and thienyl, and ring E is substituted with 1-3 R;

alternatively, ring D is absent, ring E is selected from phenyl, pyridyl, and thiienyl, and ring E is substituted with 1 R and substituted with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, wherein the 5-6 membered heterocycle is substituted with 0-2 carbonyl and 1-2 R and there are 0-3 ring double bonds;

R is selected from H, C<sub>1-4</sub> alkyl, F, Cl, OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, OCH(CH<sub>3</sub>)<sub>2</sub>, -CN, C(=NH)NH<sub>2</sub>, C(=NH)NHOH, C(=NH)NHOCH<sub>3</sub>, NH<sub>2</sub>, NH(C<sub>1-3</sub> alkyl), N(C<sub>1-3</sub> alkyl)<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>NR<sup>7</sup>R<sup>8</sup>, C(O)NR<sup>7</sup>R<sup>8</sup>, CH<sub>2</sub>C(O)NR<sup>7</sup>R<sup>8</sup>, S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, CH<sub>2</sub>S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, SO<sub>2</sub>R<sup>3</sup>, and OCF<sub>3</sub>;

10 alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

A is selected from: C<sub>5-10</sub> carbocycle substituted with 0-2 R<sup>4</sup>, and 5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4</sup>;



15 B is selected from and ; provided that Z and B are attached to different atoms on A and that the R<sup>4a</sup> shown is other than OH;

Q<sup>1</sup> and Q<sup>2</sup> are each N;

alternatively, one of Q<sup>1</sup> and Q<sup>2</sup> is CR<sup>3</sup> and R<sup>4a</sup> is NR<sup>2</sup>R<sup>2a</sup> or NR<sup>3a</sup>B<sub>1</sub>, provided that when one of Q<sup>1</sup> and Q<sup>2</sup> is CR<sup>3</sup>, then this R<sup>3</sup> group optionally forms a ring with the R<sup>2</sup> group of R<sup>4a</sup>, this ring is a 5-6 membered ring consisting of, in addition to the C-C-N shown, carbon atoms and from 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-1 R<sup>5</sup>;

ring Q is a 5-6 membered ring consisting of, in addition to the Q<sup>1</sup>-CR<sup>4a</sup>=Q<sup>2</sup> group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and the ring is substituted with an additional 0-2 R<sup>4a</sup>;

B<sub>1</sub> is selected from SO<sub>2</sub>R<sup>3b</sup>, C(O)R<sup>3b</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3b</sup>, C(O)NR<sup>3</sup>R<sup>3b</sup>, OR<sup>2</sup>, and -CN;

$B_2$  is  $NR^2R^{2d}$  or  $CR^3R^2R^{2d}$ ;

alternatively,  $CR^3R^2R^{2d}$  forms a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $S(O)_p$ , and this ring is substituted with 0-2  $R^{4b}$ ;

5 alternatively,  $NR^2R^{2d}$  forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and  $S(O)_p$ , and this ring is substituted with 0-2  $R^{4b}$ ;

alternatively, when  $B_2$  is  $NR^2R^{2d}$ ,  $B_1$  and  $R^{2d}$  combine to form a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected 10 from N, O, and  $S(O)_p$ , and this ring is substituted with 0-2  $R^{4b}$  and the  $R^2$  group of  $NR^2R^{2d}$ , in addition to the groups recited below, is selected from  $SO_2R^{3b}$  and  $C(O)R^{3b}$ ;

$Z$  is selected from a bond,  $CH_2$ ,  $CH_2CH_2$ ,  $CH_2O$ ,  $OCH_2$ ,  $C(O)$ ,  $NH$ ,  $CH_2NH$ ,  $NHCH_2$ ,  $CH_2C(O)$ ,  $C(O)CH_2$ ,  $C(O)NH$ ,  $NHC(O)$ ,  $NHC(O)CH_2C(O)NH$ ,  $S(O)_2$ , 15  $CH_2S(O)_2$ ,  $S(O)_2(CH_2)$ ,  $SO_2NH$ , and  $NHSO_2$ , wherein the right side of  $Z$  is attached to A, provided that  $Z$  does not form a N-S,  $NCH_2N$ ,  $NCH_2O$ , or  $NCH_2S$  bond with either group to which it is attached;

$Z^2$  is selected from H, C<sub>1-4</sub> alkyl, phenyl, benzyl,  $C(O)R^{3b}$ ,  $S(O)R^{3f}$ , and  $S(O)_2R^{3f}$ ;

20  $R^{1a}$ , at each occurrence, is selected from H,  $-(CH_2)_rR^{1b}$ ,  $-(CH(CH_3))_rR^{1b}$ ,  $-(C(CH_3)_2)_rR^{1b}$ ,  $-O-(CR^3R^{3a})_rR^{1b}$ ,  $-NR^2-(CR^3R^{3a})_rR^{1b}$ , and  $-S-(CR^3R^{3a})_rR^{1b}$ , provided that  $R^{1a}$  forms other than an N-halo, N-S, O-O, or N-CN bond;

25 alternatively, when two  $R^{1a}$  groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , this ring being substituted with 0-2  $R^{4b}$  and 0-3 ring double bonds;

$R^{1b}$  is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , F, Cl, Br, I, -CN, -CHO,  $CF_3$ ,  $OR^2$ ,  $NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CO_2R^{2b}$ ,  $OC(O)R^2$ ,  $CO_2R^{2a}$ ,  $S(O)_pR^{2b}$ ,  $NR^2(CH_2)_lOR^2$ ,  $NR^2C(O)R^{2b}$ ,  $NR^2C(O)NHR^2$ ,  $NR^2C(O)_2R^{2a}$ ,  $OC(O)NR^2R^{2a}$ ,

C(O)NR<sup>2</sup>R<sup>2a</sup>, C(O)NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>2</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and substituted with 0-2 R<sup>4b</sup>, provided that R<sup>1b</sup> forms other than an O-O, N-halo, N-S, or  
 5 N-CN bond;

R<sup>2</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, a -CH<sub>2</sub>-C<sub>5-6</sub> carbocyclic group substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of: carbon atoms and 1-4  
 10 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

R<sup>2a</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>,  
 15 and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;  
 alternatively, NR<sup>2</sup>R<sup>2a</sup> forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2 R<sup>4b</sup> and consisting of: carbon atoms, the nitrogen atom to which R<sup>2</sup> and R<sup>2a</sup> are attached, and 0-1 additional heteroatoms  
 20 selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2b</sup>, at each occurrence, is selected from CF<sub>3</sub>, C<sub>1-4</sub> alkoxy, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms  
 25 selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

R<sup>2c</sup>, at each occurrence, is selected from CF<sub>3</sub>, OH, C<sub>1-4</sub> alkoxy, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle containing from 1-4

heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

- R<sup>2d</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-4</sub> alkoxy, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>,
- 5 C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;
- R<sup>3</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, and phenyl;
- 10 R<sup>3a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, and phenyl; alternatively, NR<sup>3</sup>R<sup>3a</sup> forms a 5 or 6 membered saturated, partially unsaturated, or unsaturated ring consisting of: carbon atoms and the nitrogen atom to which R<sup>3</sup> and R<sup>3a</sup> are attached;
- 15 R<sup>3b</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -(C<sub>0-1</sub> alkyl)-5-6 membered carbocycle substituted with 0-1 R<sup>1a</sup>, and -(C<sub>0-1</sub> alkyl)-5-6 membered heterocycle substituted with 0-1 R<sup>1a</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;
- 20 R<sup>3c</sup>, at each occurrence, is selected from CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, and phenyl;
- R<sup>3d</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>-phenyl, CH<sub>2</sub>CH<sub>2</sub>-phenyl, and C(=O)R<sup>3c</sup>;
- R<sup>4</sup>, at each occurrence, is selected from H, =O, OR<sup>2</sup>, CH<sub>2</sub>OR<sup>2</sup>, (CH<sub>2</sub>)<sub>2</sub>OR<sup>2</sup>, F,
- 25 Cl, Br, I, C<sub>1-4</sub> alkyl, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, (CH<sub>2</sub>)<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2c</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, S(O)<sub>p</sub>R<sup>5a</sup>, CF<sub>3</sub>, CF<sub>2</sub>CF<sub>3</sub>, 5-6 membered carbocycle substituted with 0-1 R<sup>5</sup>, and a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1 R<sup>5</sup>;

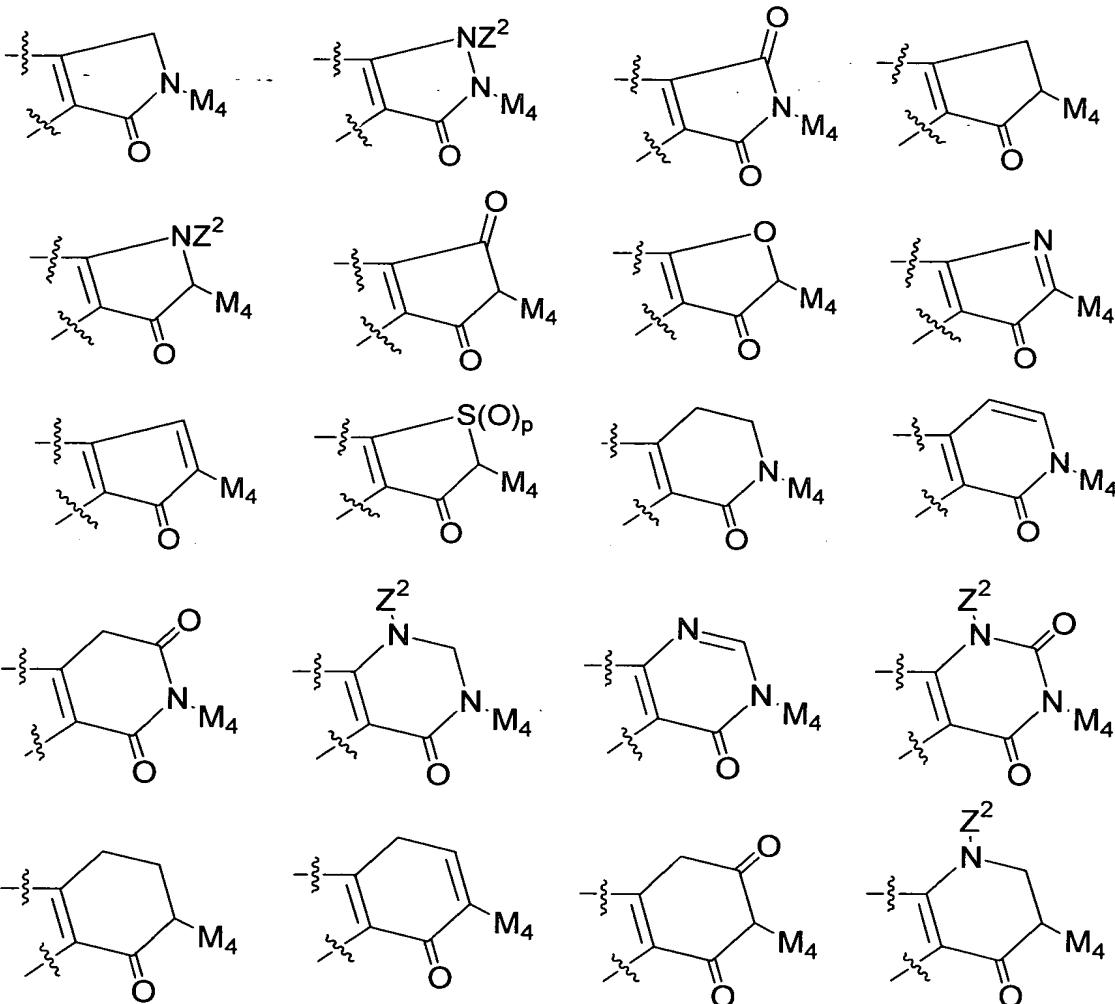
$R^{4a}$ , at each occurrence, is selected from H,  $CH_2OR^2$ ,  $OR^2$ ,  $C_{1-4}$  alkyl, -CN,  $CH_2CN$ ,  $NO_2$ ,  $CH_2NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $CH_2C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $(CH_2)_rC(O)NR^2R^{2a}$ ,  $NR^2C(O)NR^2R^{2a}$ ,  $(CH_2)_rSO_2NR^2R^{2a}$ ,  $NR^2SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^5$ ,  $(CH_2)_rS(O)_pR^{5a}$ ,  $CH_2CF_3$ ,  $CF_3$ , 5-6 membered carbocycle substituted with 0-1  $R^5$ ,  $CH_2$ -5-6 membered carbocycle substituted with 0-1  $R^5$ , a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ , and a  $CH_2$ -5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ ;

$R^{4b}$ , at each occurrence, is selected from H, =O,  $OR^3$ ,  $CH_2OR^3$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $CH_2NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $CH_2C(O)NR^3R^{3a}$ ,  $NR^3C(O)NR^3R^{3a}$ ,  $CH_2NR^3C(O)NR^3R^{3a}$ ,  $C(=NR^3)NR^3R^{3a}$ ,  $CH_2C(=NR^3)NR^3R^{3a}$ ,  $NR^3C(=NR^3)NR^3R^{3a}$ ,  $CH_2NR^3C(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $CH_2SO_2NR^3R^{3a}$ ,  $NR^3SO_2NR^3R^{3a}$ ,  $CH_2NR^3SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $CH_2NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $CH_2NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $CH_2NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  $CH_2S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $CH_2S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CH_2S(O)_p$ -phenyl,  $CF_3$ , and  $CH_2CF_3$ ;

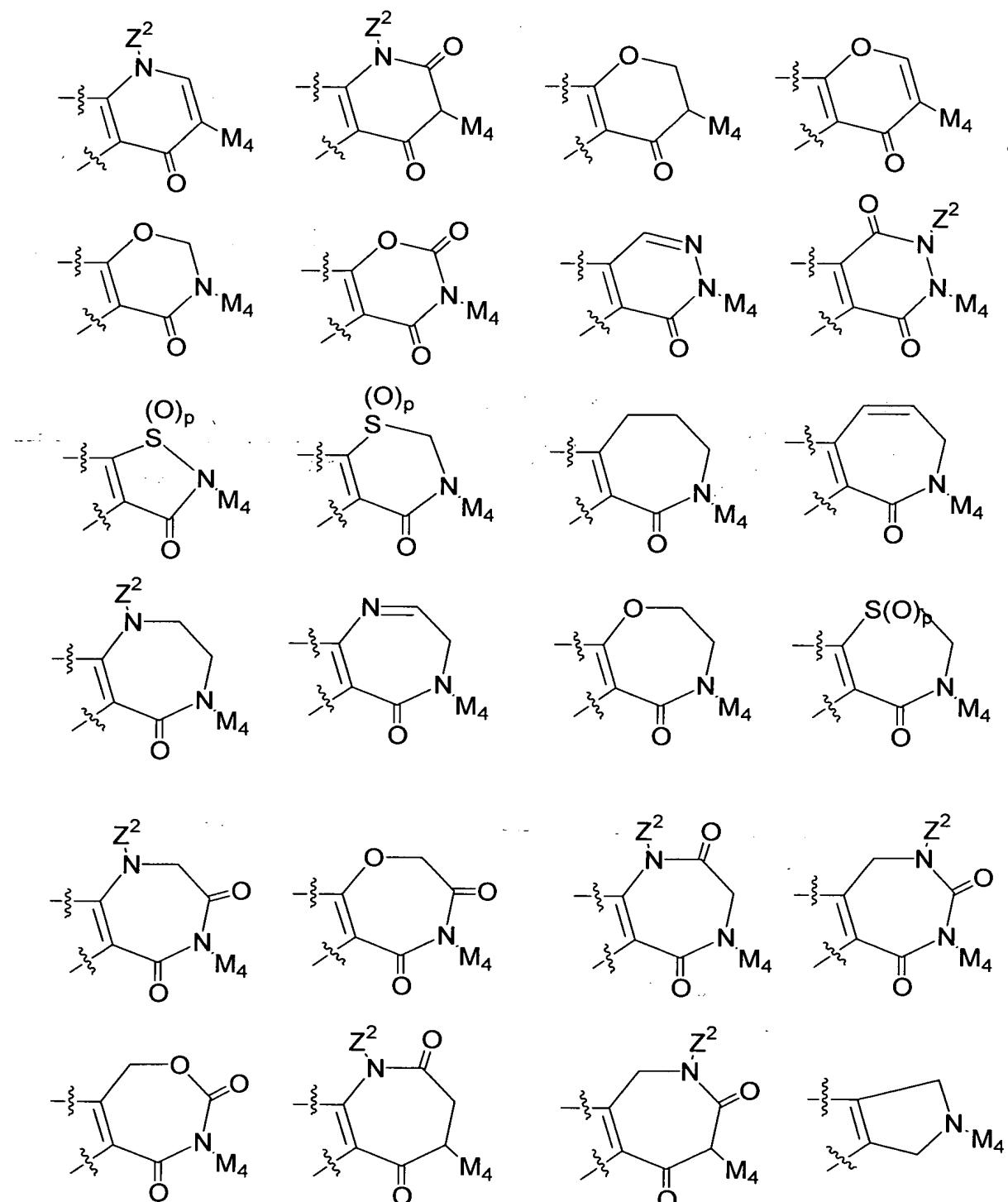
$R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ ,  $OR^3$ ,  $CH_2OR^3$ , F, Cl, -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $NR^3C(O)NR^3R^{3a}$ ,  $CH(=NOR^{3d})$ ,  $C(=NR^3)NR^3R^{3a}$ ,  $NR^3C(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CF_3$ , phenyl substituted with 0-2  $R^6$ , naphthyl substituted with 0-2  $R^6$ , and benzyl substituted with 0-2  $R^6$ ; and

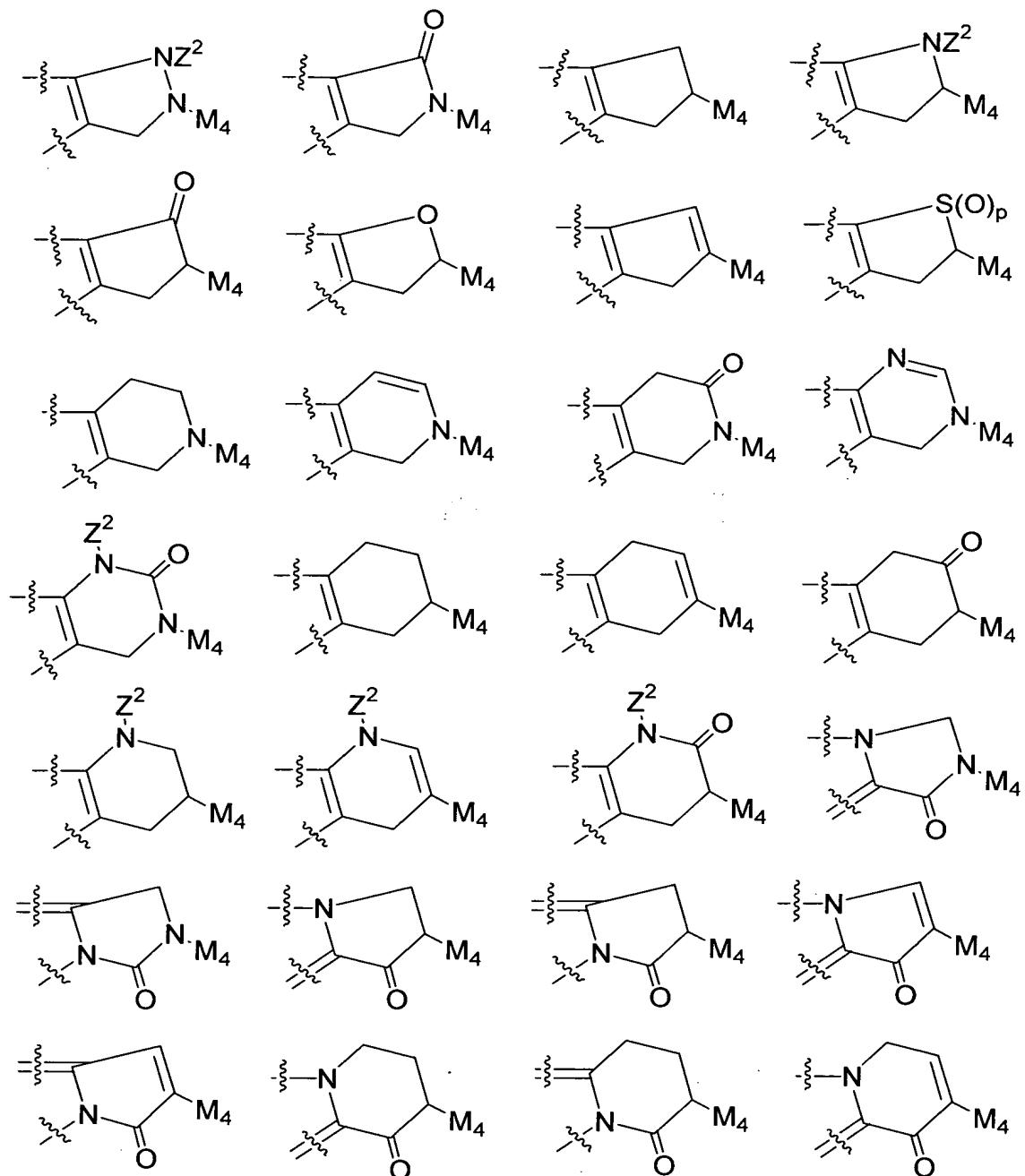
R<sup>6</sup>, at each occurrence, is selected from H, OH, OR<sup>2</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CH<sub>2</sub>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)NR<sup>2</sup>R<sup>2a</sup>, C(=NH)NH<sub>2</sub>, NHC(=NH)NH<sub>2</sub>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, and NR<sup>2</sup>SO<sub>2</sub>C<sub>1-4</sub> alkyl.

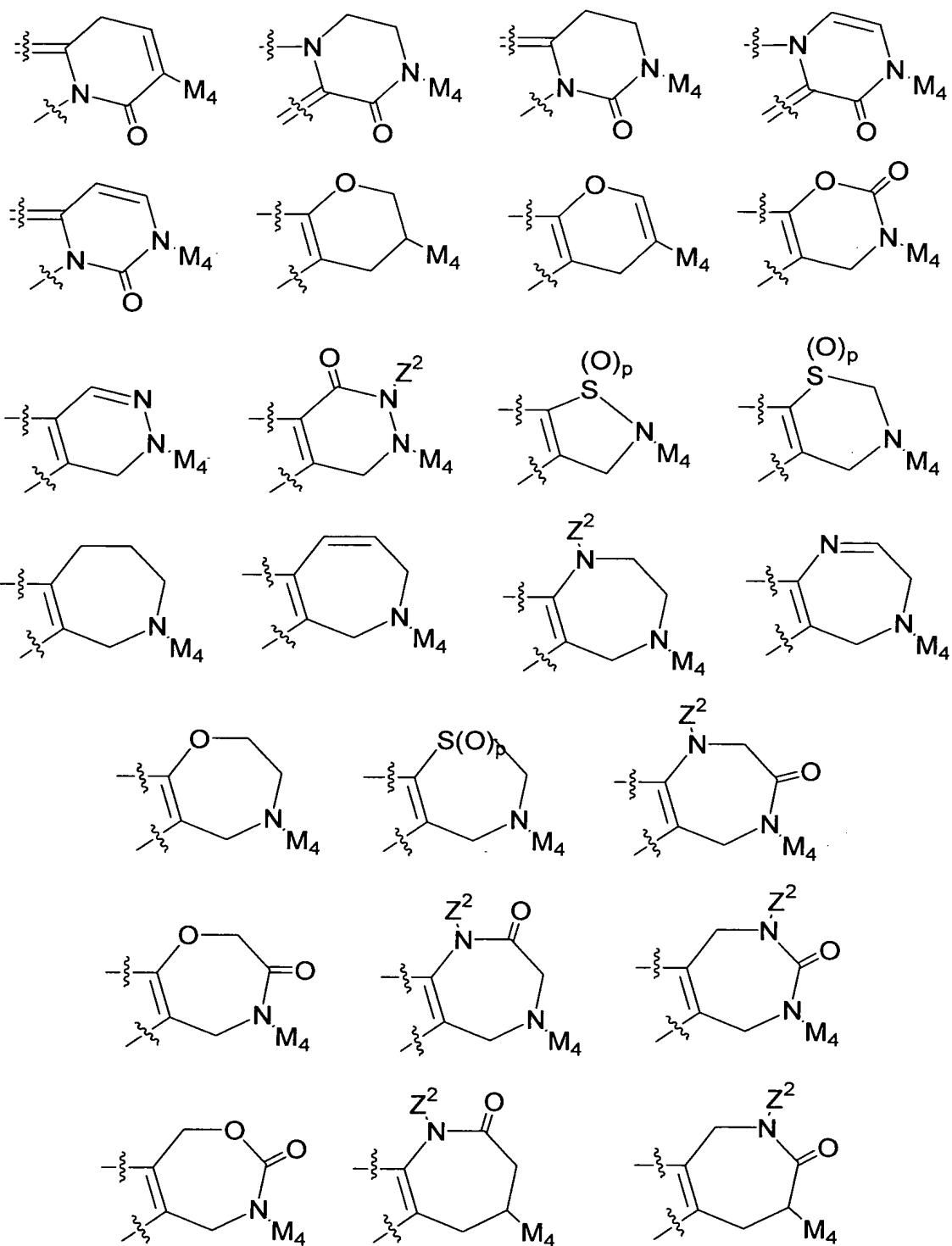
3. A compound according to Claim 2, wherein wherein:  
ring M is substituted with 0-2 R<sup>1a</sup> and is selected from the group:

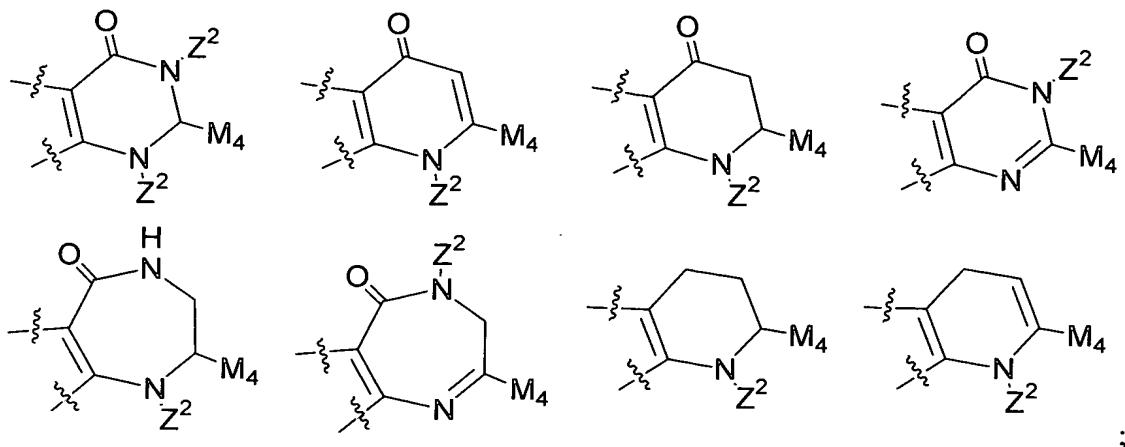


10

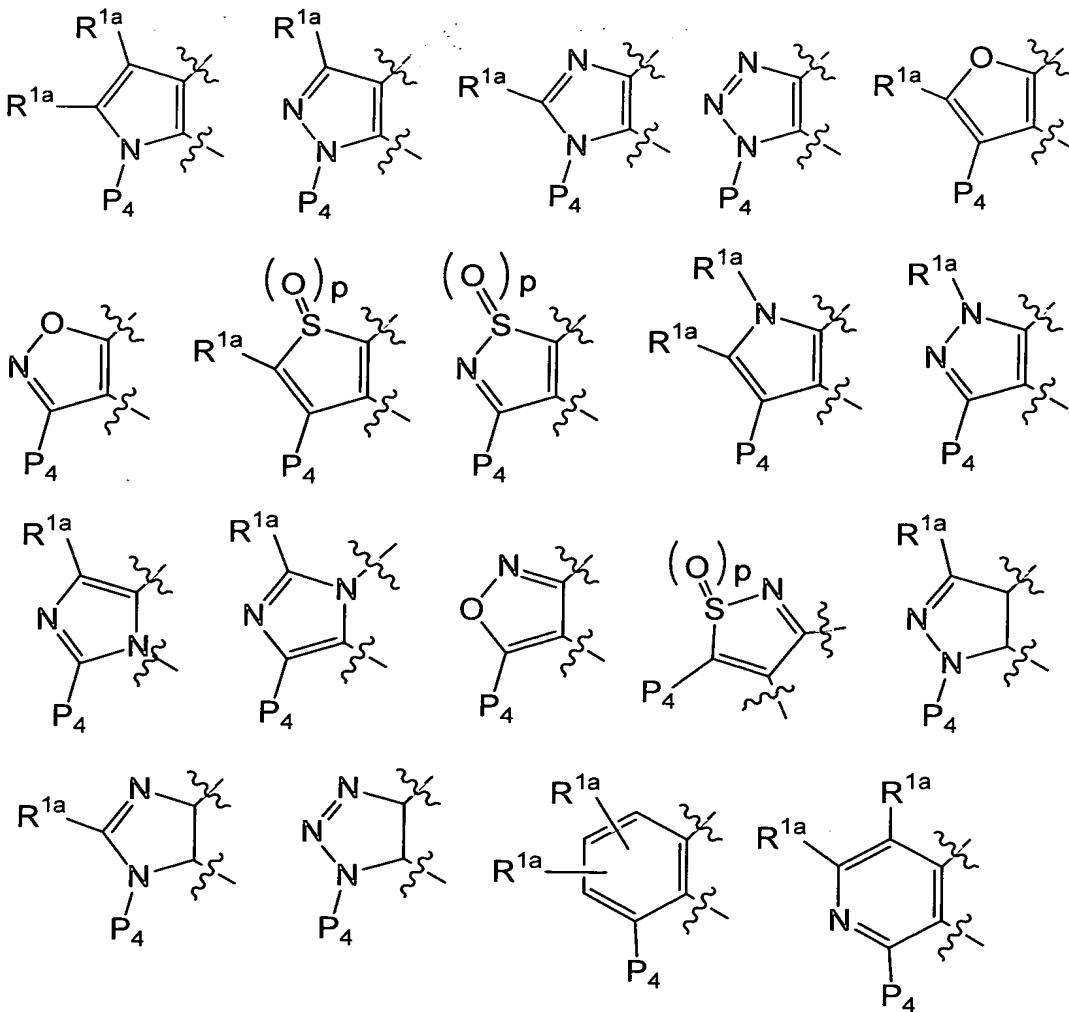


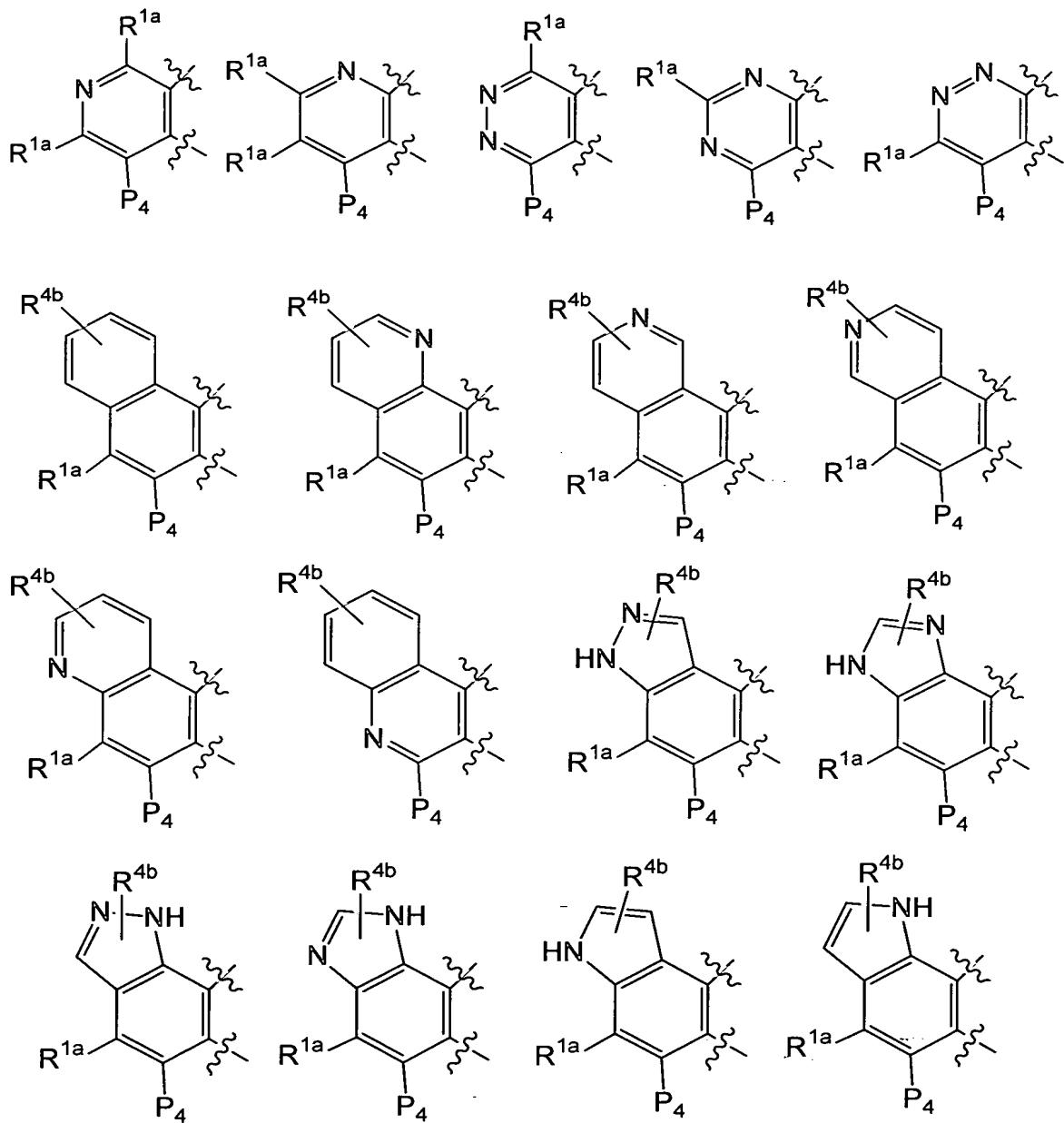


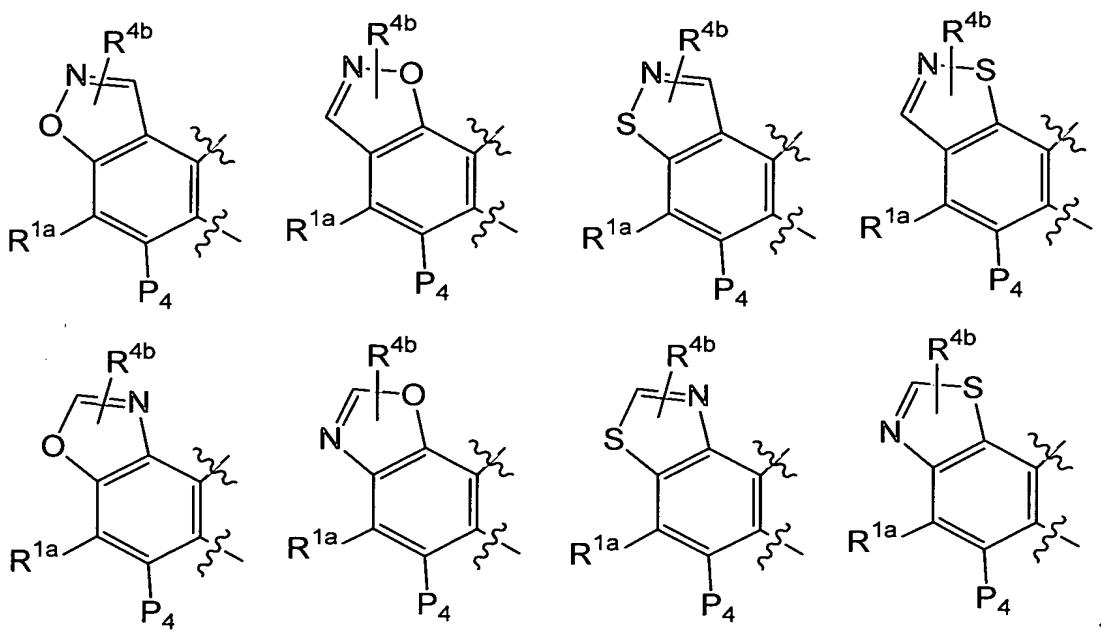




ring P, including  $P_1$ ,  $P_2$ ,  $P_3$ , and  $P_4$  is selected from group:





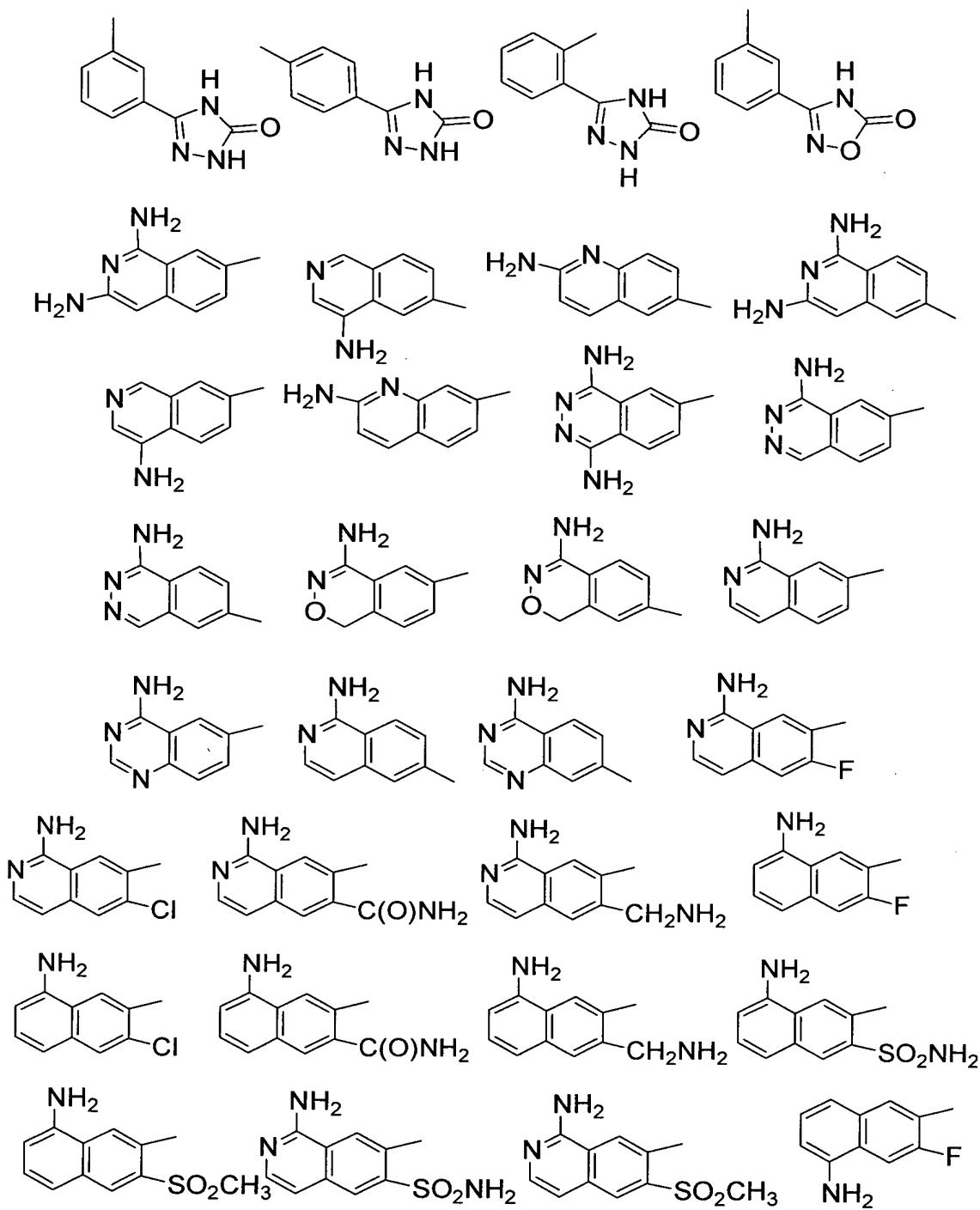


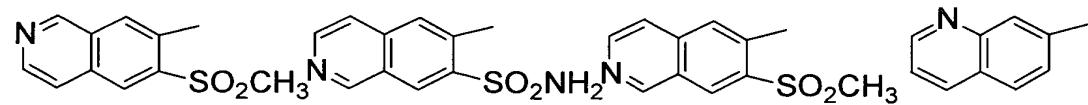
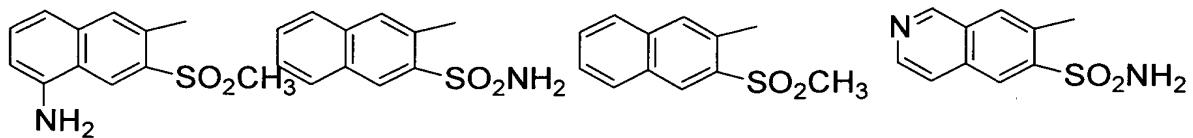
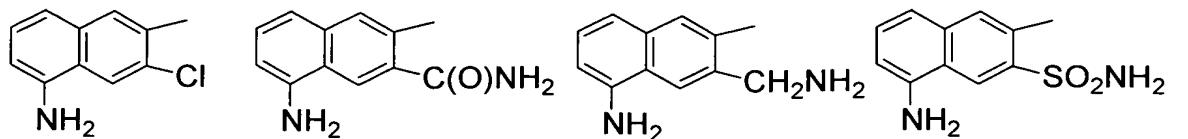
one of P<sub>4</sub> and M<sub>4</sub> is -Z-A-B and the other -G<sub>1</sub>-G;

[00669] G is selected from the group: phenyl, 4-ethyl-phenyl,

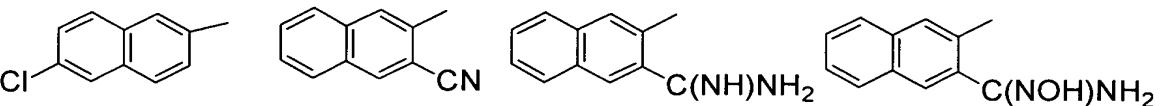
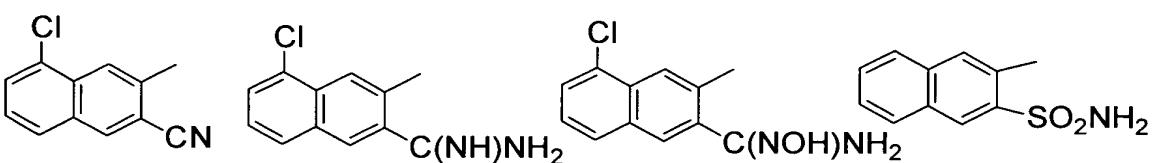
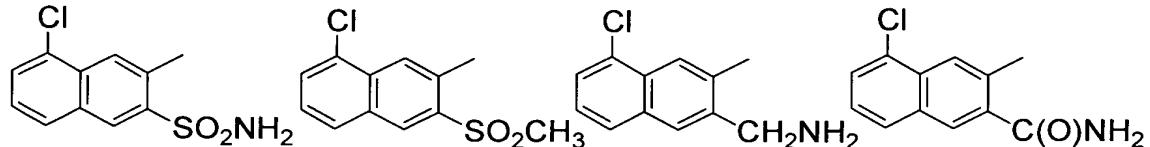
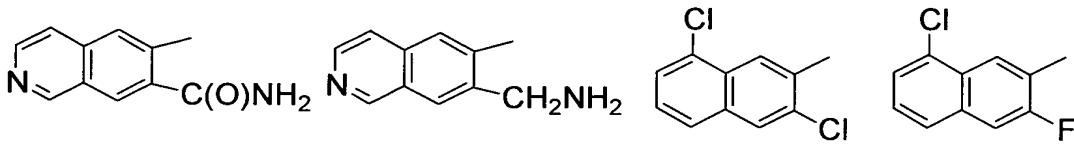
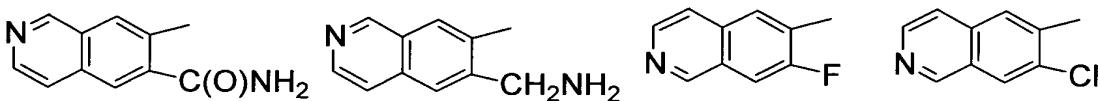
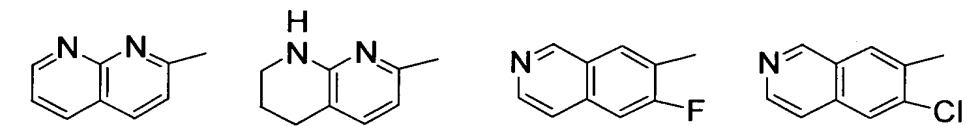
- 5    2,5-bis(aminomethyl)-phenyl, 2-amido-4-methoxy-phenyl, 2-amido-5-chloro-phenyl,  
2-amido-phenyl, 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-3-methoxy-phenyl,  
2-aminomethyl-4-fluoro-phenyl, 2-aminomethyl-4-methoxy-phenyl,  
2-aminomethyl-5-fluoro-phenyl 2-aminomethyl-5-methoxy-phenyl,  
2-aminomethyl-6-fluoro-phenyl, 2-aminomethyl-phenyl, 2-amino-pyrid-4-yl,
- 10   2-aminosulfonyl-4-methoxy-phenyl, 2-aminosulfonyl-phenyl,  
2-hydroxy-4-methoxy-phenyl, 2-methylsulfonyl-phenyl,  
3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl,  
3-(N-hydroxy-amidino)-phenyl, 3-(N-methoxy-amidino)-phenyl,  
3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amidino-phenyl,
- 15   3-amido-6-hydroxy-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl,  
3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-4-fluoro-phenyl, 3-chloro-phenyl,  
3-hydroxy-4-methoxy-phenyl, 4-(N,N-dimethylamino)-5-chloro-thien-2-yl,  
4-(N-methylamino)-5-chloro-thien-2-yl, 4-amino-5-chloro-thien-2-yl,  
4-amino-pyrid-2-yl, 4-chloro-3-fluoro-phenyl, 4-chloro-phenyl, 4-chloro-pyrid-2-yl,
- 20   4-methoxy-2-methylsulfonyl-phenyl, 4-methoxy-phenyl, 2-methoxy-pyridyl-5-yl,  
5-(N,N-dimethylamino)-4-chloro-thien-2-yl, 5-(N-methylamino)-4-chloro-thien-2-yl,  
5-amino-4-chloro-thien-2-yl, 5-chloro-2-aminosulfonyl-phenyl,

5-chloro-2-methylsulfonyl-phenyl, 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl,  
6-amino-5-chloro-pyrid-2-yl, 6-amino-pyrid-2-yl,

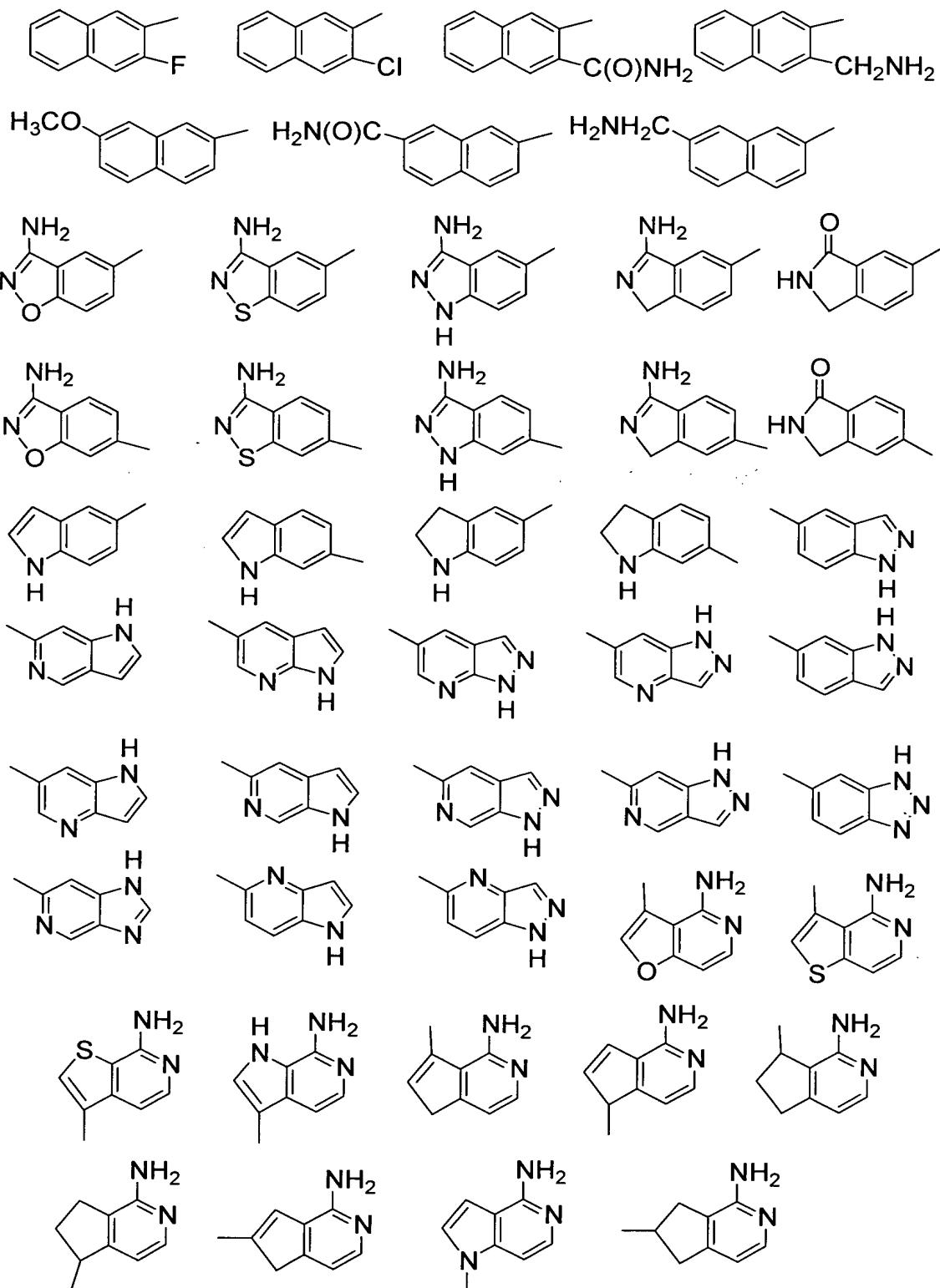


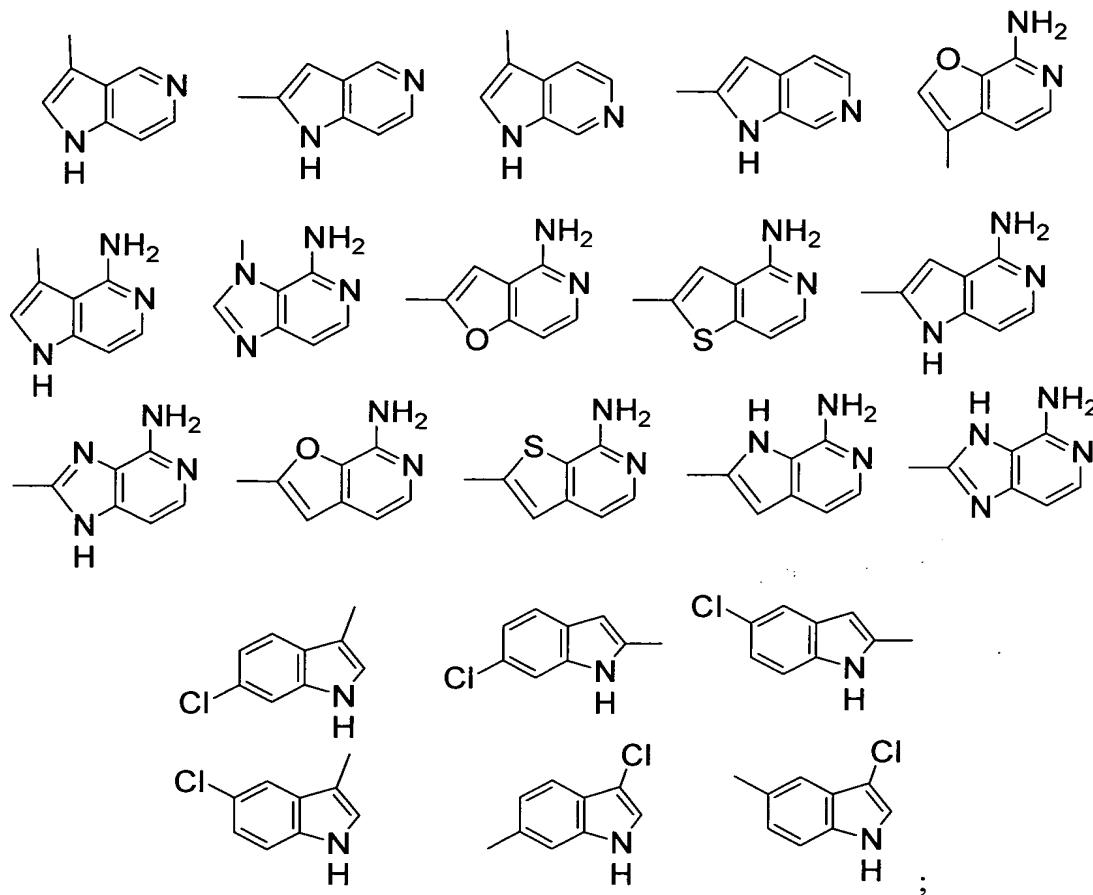


5



10



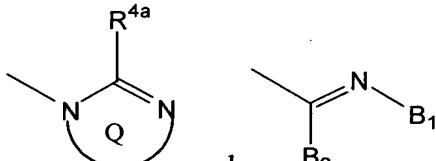


$G_1$  is absent or is selected from  $(CR^3R^{3a})_{1-3}$ ,  $CR^3=CR^3$ ,

- 5       $(CR^3R^{3a})_uC(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uO(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uS(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uS(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uS(O)_2(CR^3R^{3a})_w$ ,  
 $(CR^3R^{3a})_uS(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}S(O)_2(CR^3R^{3a})_w$ , and
- 10      $(CR^3R^{3a})_uS(O)_2NR^{3b}(CR^3R^{3a})_w$ , wherein  $u+w$  or  $u+u+w$  total 0, 1, or 2, wherein the right side of  $G_1$  is attached to  $G$ , provided that  $G_1$  does not form a N-S,  $NCH_2N$ ,  $NCH_2O$ , or  $NCH_2S$  bond with either group to which it is attached;

A is selected from one of the following carbocyclic and heterocyclic groups which are substituted with 0-2  $R^4$ ; cyclohexyl, phenyl, piperidinyl, piperazinyl, 15 pyridyl, pyrimidyl, furanyl, morpholinyl, thienyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, 1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, 1,2,3-thiadiazolyl,

1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, benzofuranyl, benzothiofuranyl, indolinyl, indolyl, benzimidazolyl, benzoxazolyl, benzthiazolyl, indazolyl, benzisoxazolyl, benzisothiazolyl, and isoindazolyl;



5        B is selected from                          and                          ; provided that Z and B are attached to different atoms on A and that the R<sup>4a</sup> shown is other than OH;

ring Q is a 5-6 membered ring consisting of, in addition to the N-CR<sup>4a</sup>=N group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and the ring is substituted with an additional 0-2 R<sup>4a</sup>;

10        B<sub>1</sub> is selected from SO<sub>2</sub>R<sup>3b</sup> and OR<sup>2</sup>;

B<sub>2</sub> is NR<sup>2</sup>R<sup>2d</sup>;

alternatively, NR<sup>2</sup>R<sup>2d</sup> forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup>;

15        alternatively, B<sub>1</sub> and R<sup>2d</sup> combine to form a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup> and the R<sup>2</sup> group of NR<sup>2</sup>R<sup>2d</sup>, in addition to the groups recited below, can be SO<sub>2</sub>R<sup>3b</sup>;

R<sup>1a</sup> is selected from H, R<sup>1b</sup>, CH(CH<sub>3</sub>)R<sup>1b</sup>, C(CH<sub>3</sub>)<sub>2</sub>R<sup>1b</sup>, CH<sub>2</sub>R<sup>1b</sup>, and

20        CH<sub>2</sub>CH<sub>2</sub>R<sup>1b</sup>, provided that R<sup>1a</sup> forms other than an N-halo, N-S, or N-CN bond;

alternatively, when two R<sup>1a</sup> groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, this ring being substituted with 0-2 R<sup>4b</sup> and 0-3 ring double bonds;

25        R<sup>1b</sup> is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, F, Cl, Br, -CN, -CHO, CF<sub>3</sub>, OR<sup>2</sup>, NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CO<sub>2</sub>R<sup>2b</sup>, OC(O)R<sup>2</sup>, CO<sub>2</sub>R<sup>2a</sup>, S(O)<sub>p</sub>R<sup>2b</sup>, NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>2</sup>, phenyl substituted with 0-2

$R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , and substituted with 0-2  $R^{4b}$ , provided that  $R^{1b}$  forms other than an O-O, N-halo, N-S, or N-CN bond;

5         $R^2$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , phenyl substituted with 0-2  $R^{4b}$ , a benzyl substituted with 0-2  $R^{4b}$ , and a 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

10       $R^{2a}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-2  $R^{4b}$ , phenyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

15      alternatively,  $NR^2R^{2a}$  forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2  $R^{4b}$  and consisting of: carbon atoms, the nitrogen atom to which  $R^2$  and  $R^{2a}$  are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

20       $R^{2b}$ , at each occurrence, is selected from  $CF_3$ ,  $C_{1-4}$  alkoxy,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-2  $R^{4b}$ , phenyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

25       $R^{2c}$ , at each occurrence, is selected from  $CF_3$ , OH,  $OCH_3$ ,  $OCH_2CH_3$ ,  $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-2  $R^{4b}$ , phenyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

$R^{2d}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , and  $OCH_3$ , benzyl;

$R^{3b}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ , and  $CH(CH_3)_2$ ;

$R^4$ , at each occurrence, is selected from H,  $CH_2OR^2$ ,  $(CH_2)_2OR^2$ ,  $OR^2$ , F, Cl, Br, I,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,

5  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $(CH_2)_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $CF_3$ , and  $CF_2CF_3$ ;

$R^{4a}$ , at each occurrence, is selected from H,  $OR^2$ ,  $CH_2OR^2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,

10  $NR^2C(O)NR^2R^{2a}$ ,  $NR^2SO_2R^5$ ,  $SO_2NR^2R^{2a}$ , 6 membered carbocycle substituted with 0-1  $R^5$ , and a 5-6 membered heterocycle consisting of: carbon atoms and 1-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ ;

$R^{4b}$ , at each occurrence, is selected from H, =O,  $OR^3$ ,  $CH_2OR^3$ , F, Cl,  $CH_3$ ,

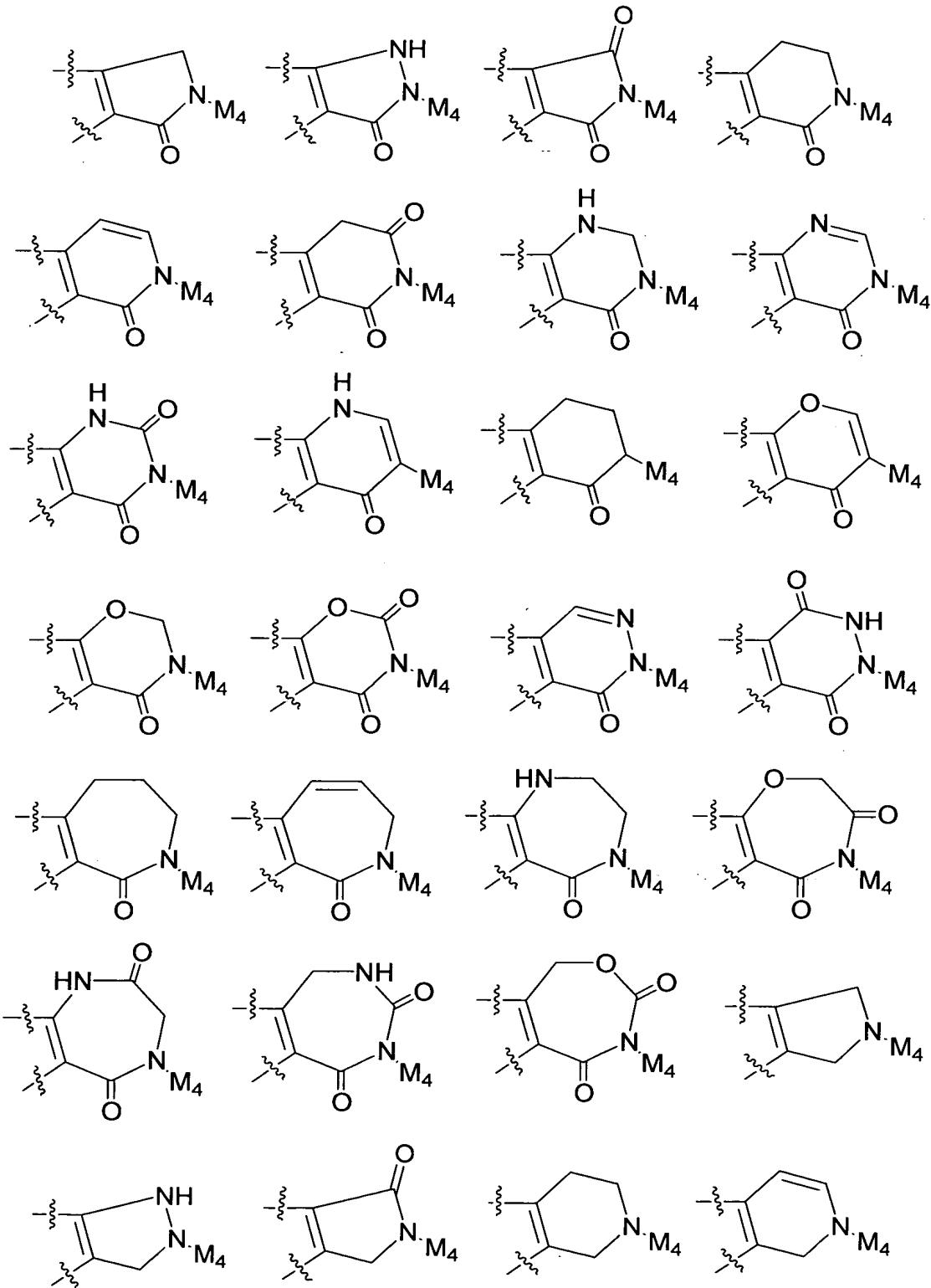
15  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $CH_2NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $CH_2C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $CH_2SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $CH_2NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2$ -phenyl,  $CH_2NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  $CH_2S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $CH_2S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CH_2S(O)_p$ -phenyl, and  $CF_3$ ;

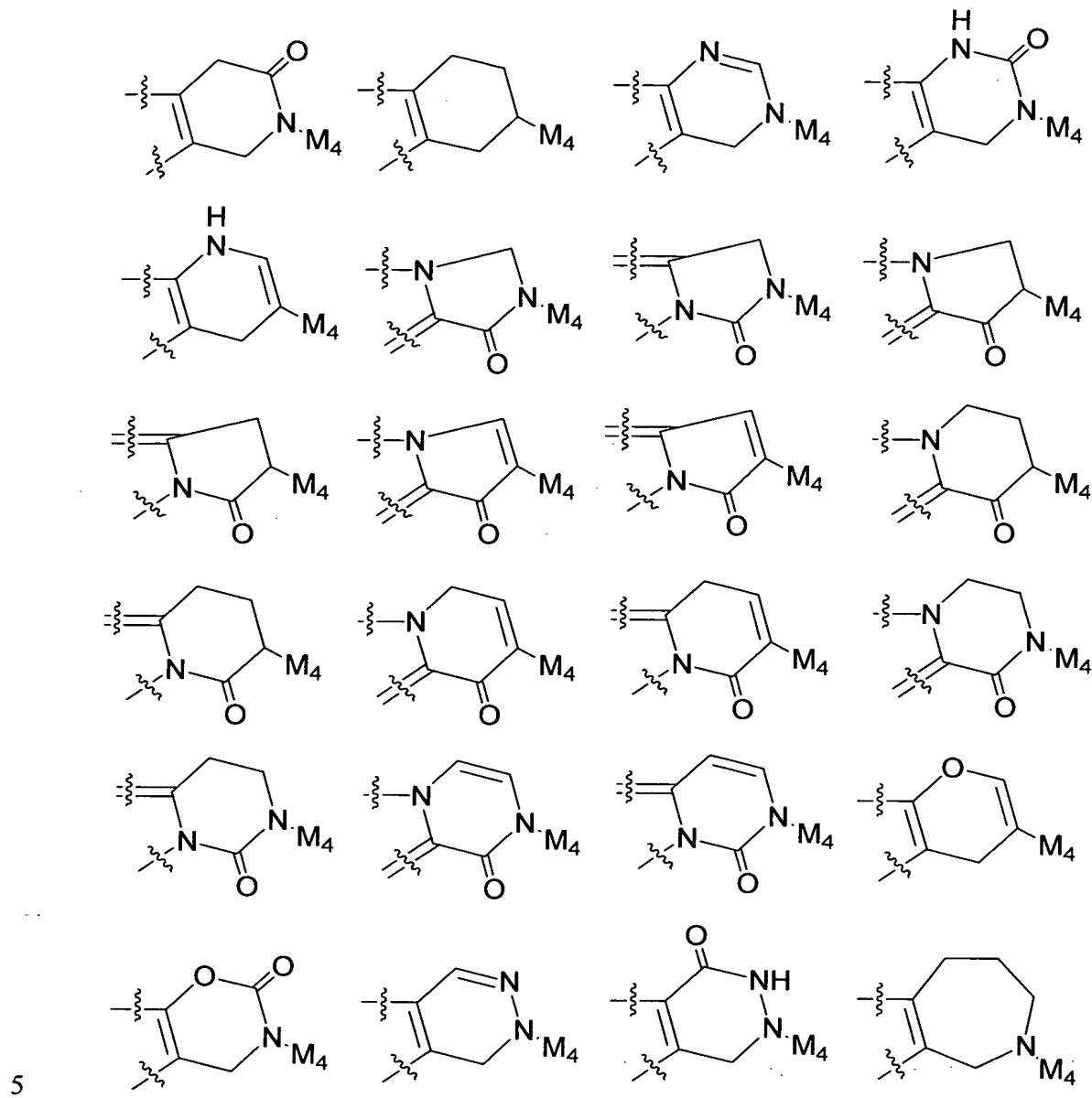
$R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $OR^3$ ,  $CH_2OR^3$ , F, Cl, -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $CF_3$ , phenyl substituted with 0-2  $R^6$ , naphthyl substituted with 0-2  $R^6$ , and benzyl substituted with 0-2  $R^6$ ; and

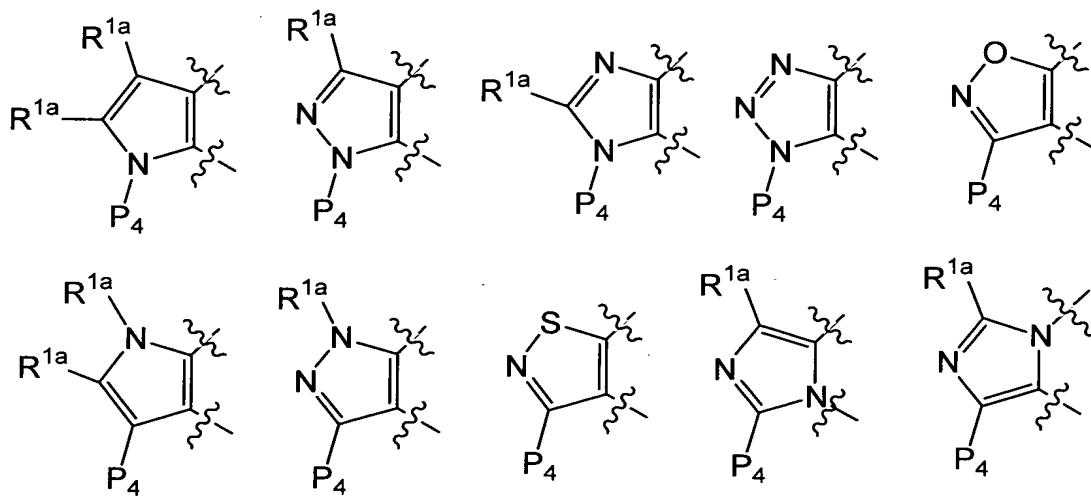
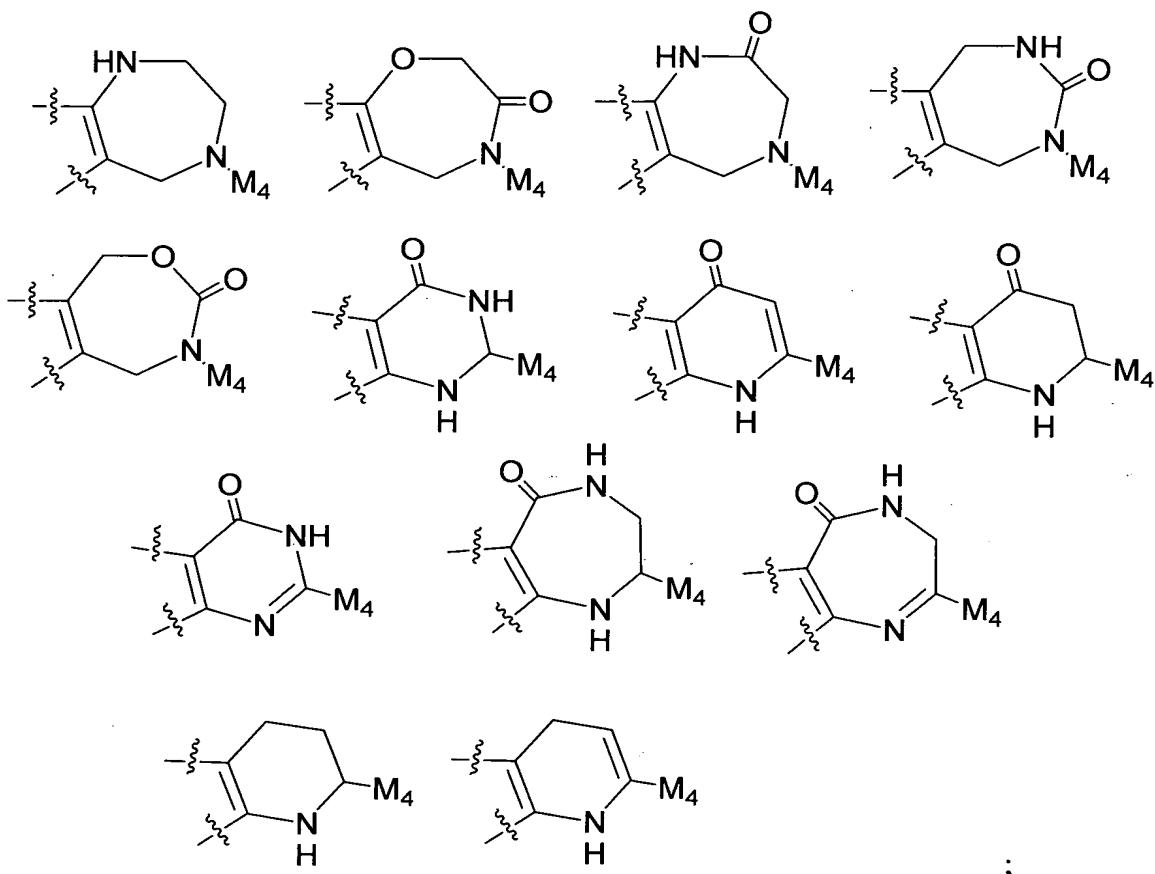
25  $R^6$ , at each occurrence, is selected from H, OH,  $OR^2$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CH_2C(O)R^{2b}$ ,  $NR^2C(O)R^{2b}$ ,  $SO_2NR^2R^{2a}$ , and  $NR^2SO_2C_{1-4}$  alkyl.

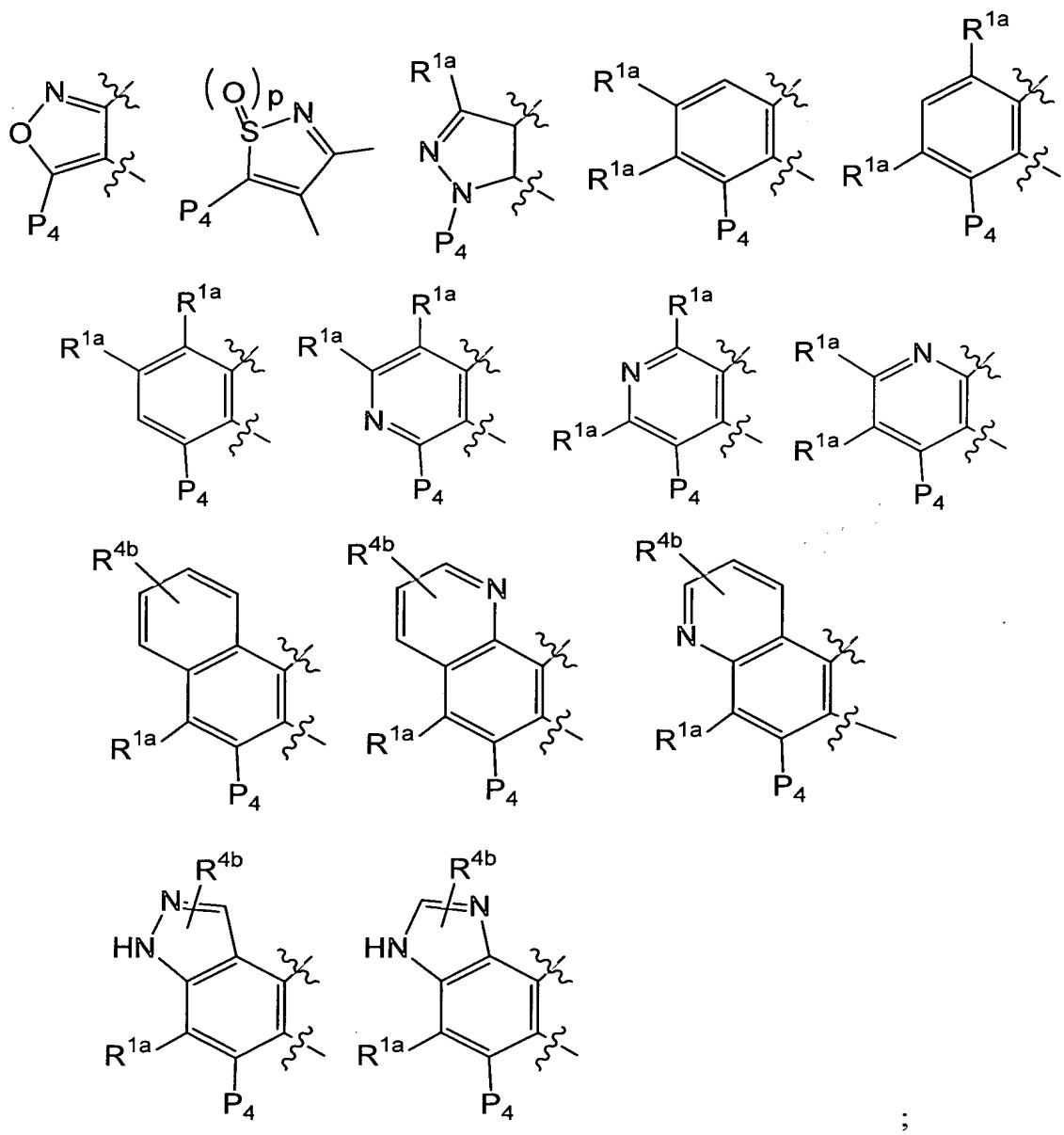
4. A compound according to Claim 3, wherein:

ring M is substituted with 0-2 R<sup>1a</sup> and is selected from the group:







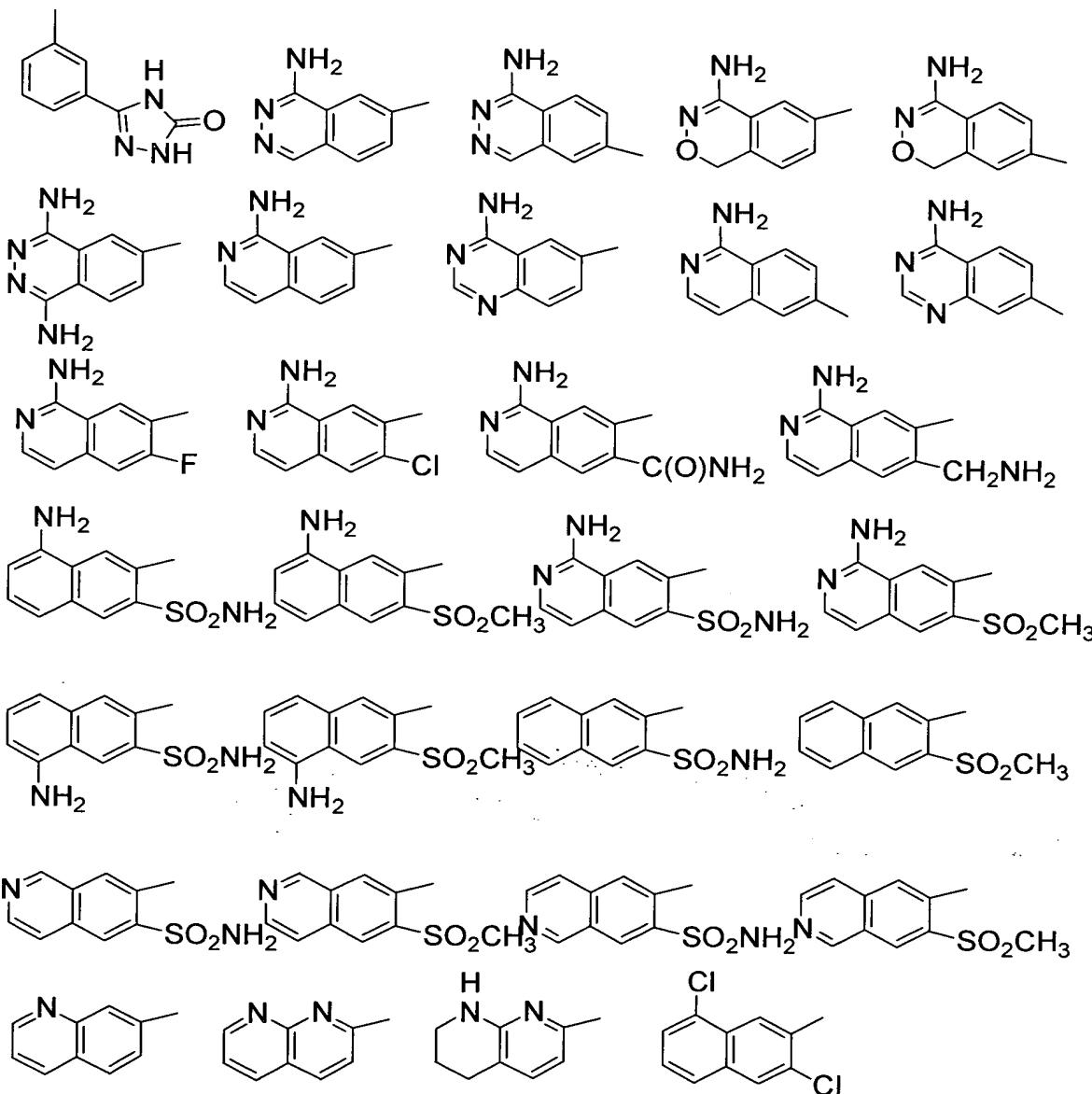


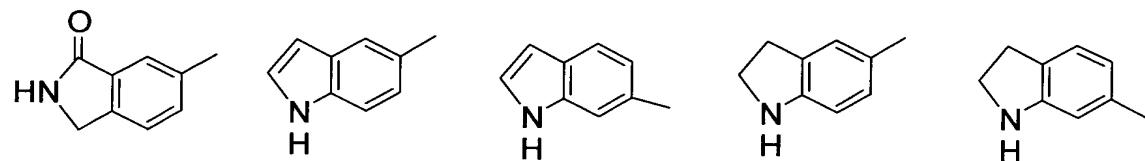
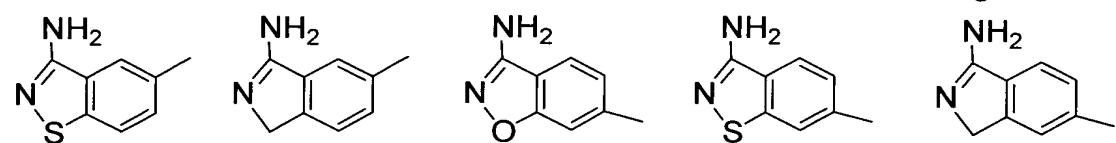
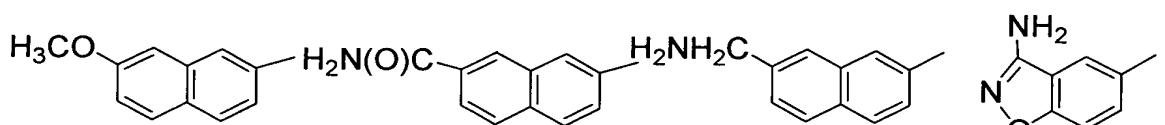
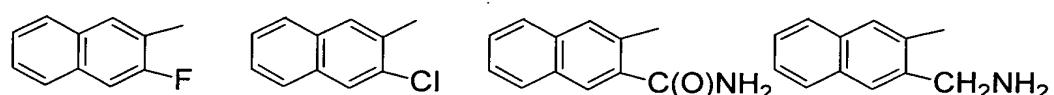
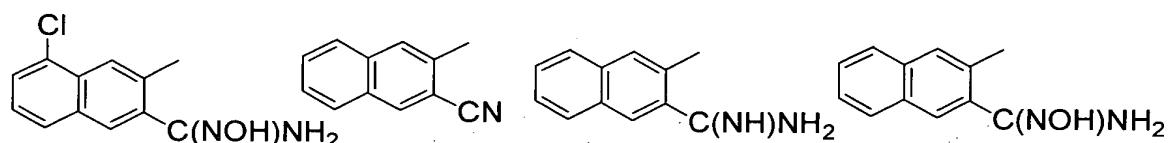
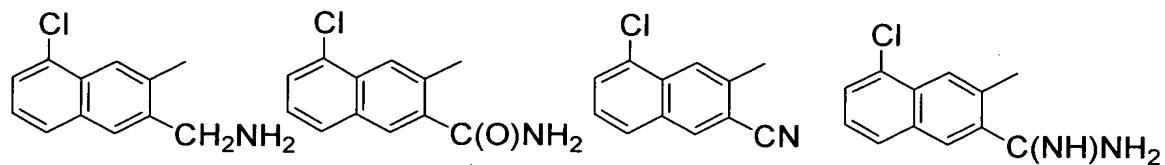
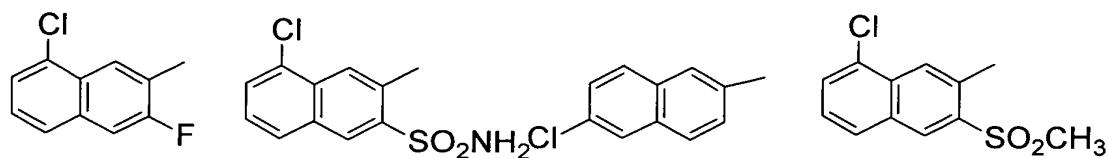
one of  $P_4$  and  $M_4$  is  $-A-B$  and the other  $-G$ ;

5 [00670] G is selected from the group: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,  
2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,  
2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl,  
2-aminomethyl-5-methoxy-phenyl, 2-aminomethyl-6-fluoro-phenyl,  
2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,  
10 2-aminosulfonyl-phenyl, 2-methylsulfonyl-phenyl,  
3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl,  
3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amido-phenyl,

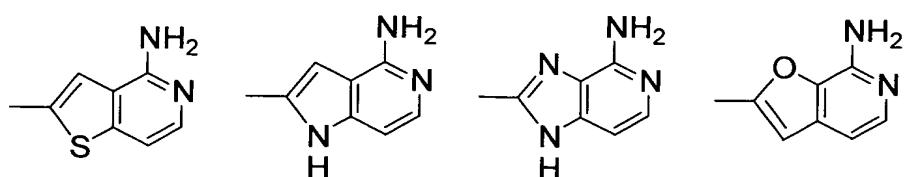
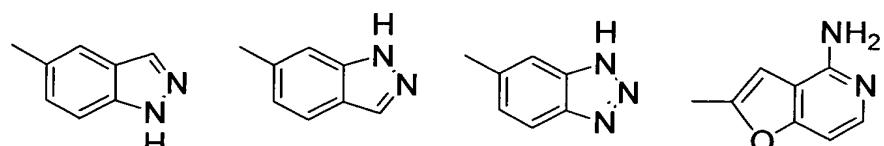
3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-phenyl,  
 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl,  
 4-amino-5-chloro-thien-2-yl, 4-chloro-phenyl, 4-methoxy-2-methylsulfonyl-phenyl,  
 4-methoxy-phenyl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl,

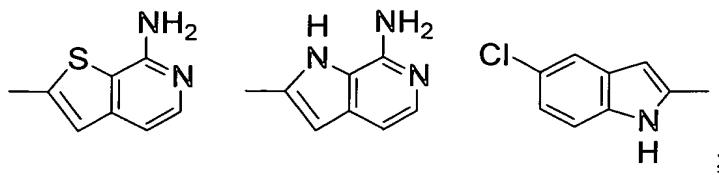
5 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl,  
5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,  
6-amino-pyrid-2-yl, 3-midino-phenyl,





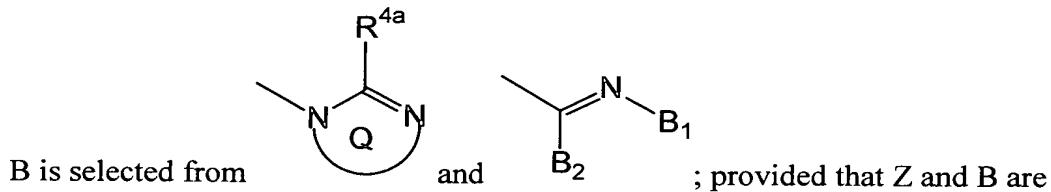
5





G<sub>1</sub> is absent or is selected from CH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>, CH<sub>2</sub>O, OCH<sub>2</sub>, NH, CH<sub>2</sub>NH, NHCH<sub>2</sub>, CH<sub>2</sub>C(O), C(O)CH<sub>2</sub>, C(O)NH, NHC(O), CH<sub>2</sub>S(O)<sub>2</sub>, S(O)<sub>2</sub>(CH<sub>2</sub>), SO<sub>2</sub>NH, and NSO<sub>2</sub>, wherein the right side of G<sub>1</sub> is attached to G, provided that G<sub>1</sub> does not form a N-S, NCH<sub>2</sub>N, NCH<sub>2</sub>O, or NCH<sub>2</sub>S bond with either group to which it is attached;

A is selected from cyclohexyl, phenyl, pyridyl, and pyrimidyl, and is substituted with 0-2 R<sup>4</sup>;



10 attached to different atoms on A and that the R<sup>4a</sup> shown is other than OH;  
ring Q is a 5-6 membered ring consisting of, in addition to the N-CR<sup>4a</sup>=N group shown, carbon atoms and 0-1 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and the ring is substituted with an additional 0-2 R<sup>4a</sup>;

B<sub>1</sub> is selected from SO<sub>2</sub>R<sup>3b</sup> and OR<sup>2</sup>;

15 B<sub>2</sub> is NR<sup>2</sup>R<sup>2d</sup>;  
alternatively, NR<sup>2</sup>R<sup>2d</sup> forms a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-1 R<sup>4b</sup>;

20 alternatively, B<sub>1</sub> and R<sup>2d</sup> combine to form a 5 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup> and the R<sup>2</sup> group of NR<sup>2</sup>R<sup>2d</sup>, in addition to the groups recited below, can be SO<sub>2</sub>R<sup>3b</sup>;

R<sup>1a</sup>, at each occurrence, is selected from H, R<sup>1b</sup>, CH(CH<sub>3</sub>)R<sup>1b</sup>, C(CH<sub>3</sub>)<sub>2</sub>R<sup>1b</sup>, and CH<sub>2</sub>R<sup>1b</sup>, provided that R<sup>1a</sup> forms other than an N-halo, N-S, or N-CN bond;

$R^{1b}$  is selected from  $CH_3$ ,  $CH_2CH_3$ , F, Cl, Br, -CN,  $CF_3$ ,  $OR^2$ ,  $NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CO_2R^{2b}$ ,  $CO_2R^{2a}$ ,  $S(O)_pR^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^2$ , and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , and substituted with 0-2  $R^{4b}$ , provided that  $R^{1b}$  forms other than an O-O, N-halo, N-S, or N-CN bond;

$R^2$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , phenyl substituted with 0-1  $R^{4b}$ , benzyl substituted with 0-1  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^{4b}$ ;

$R^{2a}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-1  $R^{4b}$ , phenyl substituted with 0-1  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^{4b}$ ;

alternatively,  $NR^2R^{2a}$  forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1  $R^{4b}$  and consisting of: carbon atoms, the nitrogen atom to which  $R^2$  and  $R^{2a}$  are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

$R^{2b}$ , at each occurrence, is selected from  $OCH_3$ ,  $OCH_2CH_3$ ,  $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-1  $R^{4b}$ , phenyl substituted with 0-1  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^{4b}$ ;

$R^{2c}$ , at each occurrence, is selected from OH,  $OCH_3$ ,  $OCH_2CH_3$ ,  $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-1  $R^{4b}$ , phenyl substituted with 0-1  $R^{4b}$ , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^{4b}$ ;

$R^{2d}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $OCH_3$ , and benzyl;

$R^{3b}$ , at each occurrence, is selected from H and  $CH_3$ ;

$R^4$ , at each occurrence, is selected from OH,  $OR^2$ ,  $CH_2OR^2$ ,  $(CH_2)_2OR^2$ , F, Br, Cl, I,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $(CH_2)_2NR^2R^{2a}$ ,

5  $CF_3$ , and  $CF_2CF_3$ ;

$R^{4a}$ , at each occurrence, is selected from H,  $OR^2$ ,  $CH_2OR^2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^5$ , phenyl substituted with 0-1  $R^5$ , and a 5-6 membered heterocycle

10 consisting of: carbon atoms and 1 heteroatom selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ ;

$R^{4b}$ , at each occurrence, is selected from H, =O,  $OR^3$ ,  $CH_2OR^3$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,

15  $NR^3SO_2$ -phenyl,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl, and  $CF_3$ ;

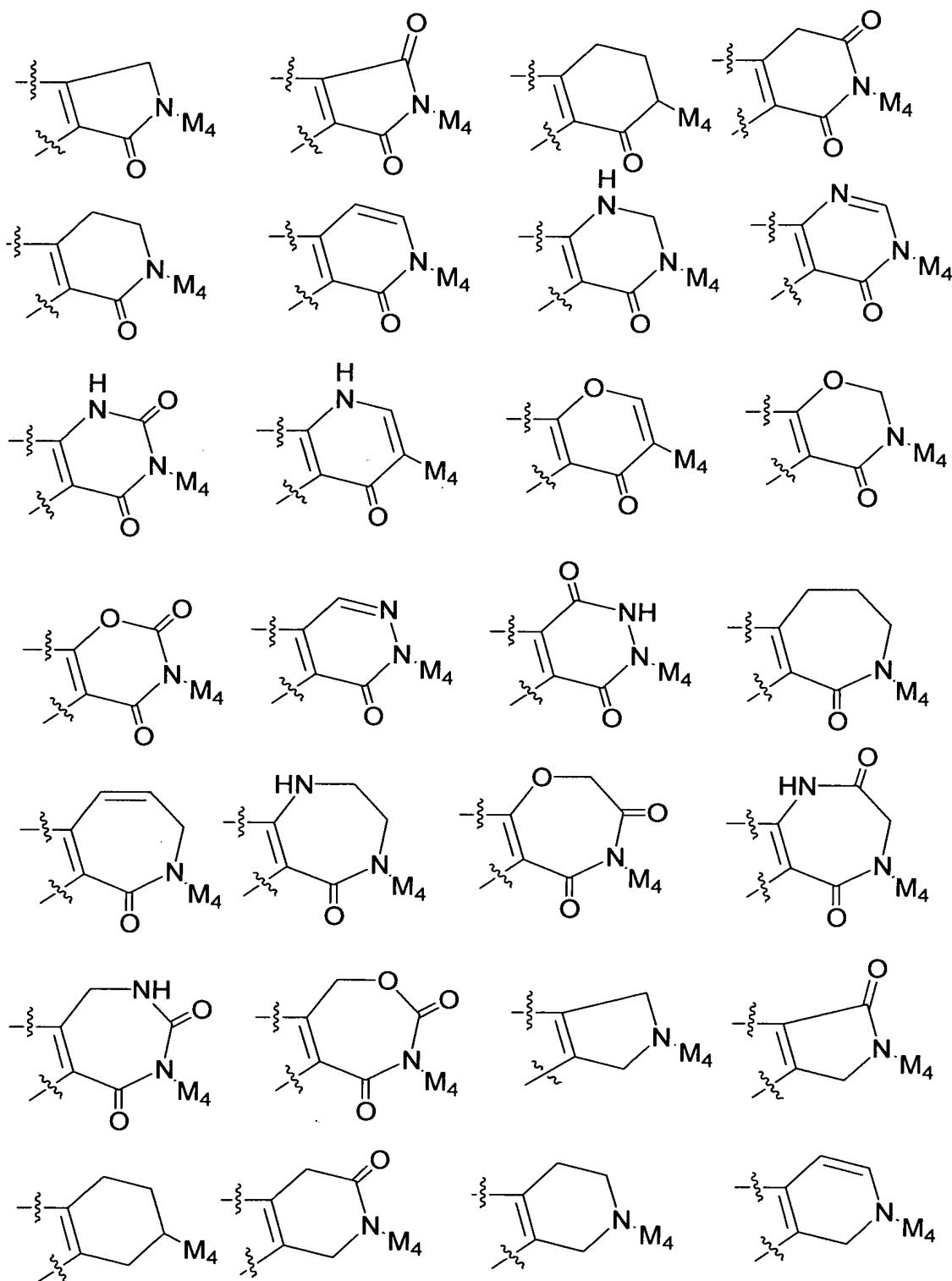
$R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $OR^3$ ,  $NR^3R^{3a}$ ,  $C(O)R^3$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ , and phenyl substituted with 0-2  $R^6$ ; and,

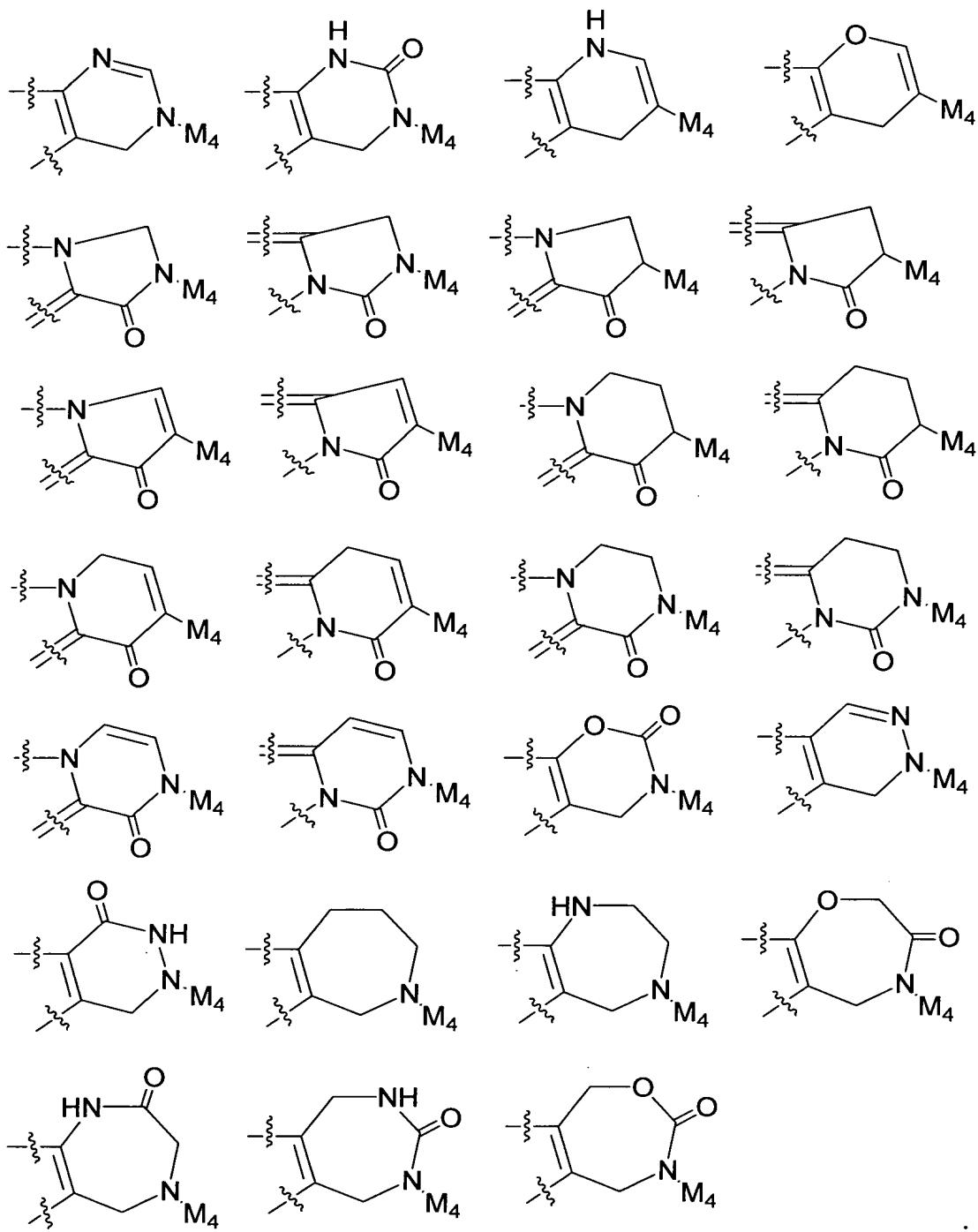
$R^6$ , at each occurrence, is selected from H, OH,  $OR^2$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,

20  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CH_2C(O)R^{2b}$ ,  $NR^2C(O)R^{2b}$ , and  $SO_2NR^2R^{2a}$ .

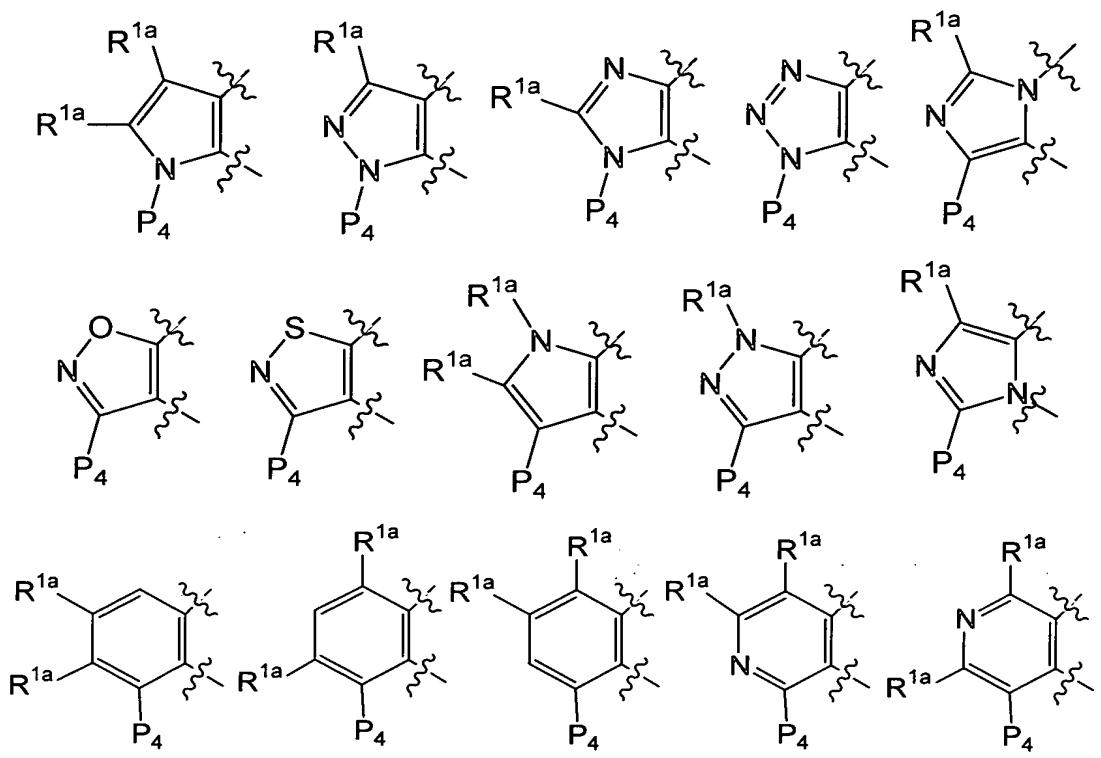
5. A compound according to Claim 4, wherein:

ring M is substituted with 0-1  $R^{1a}$  and is selected from the group:



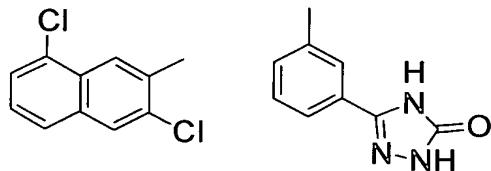


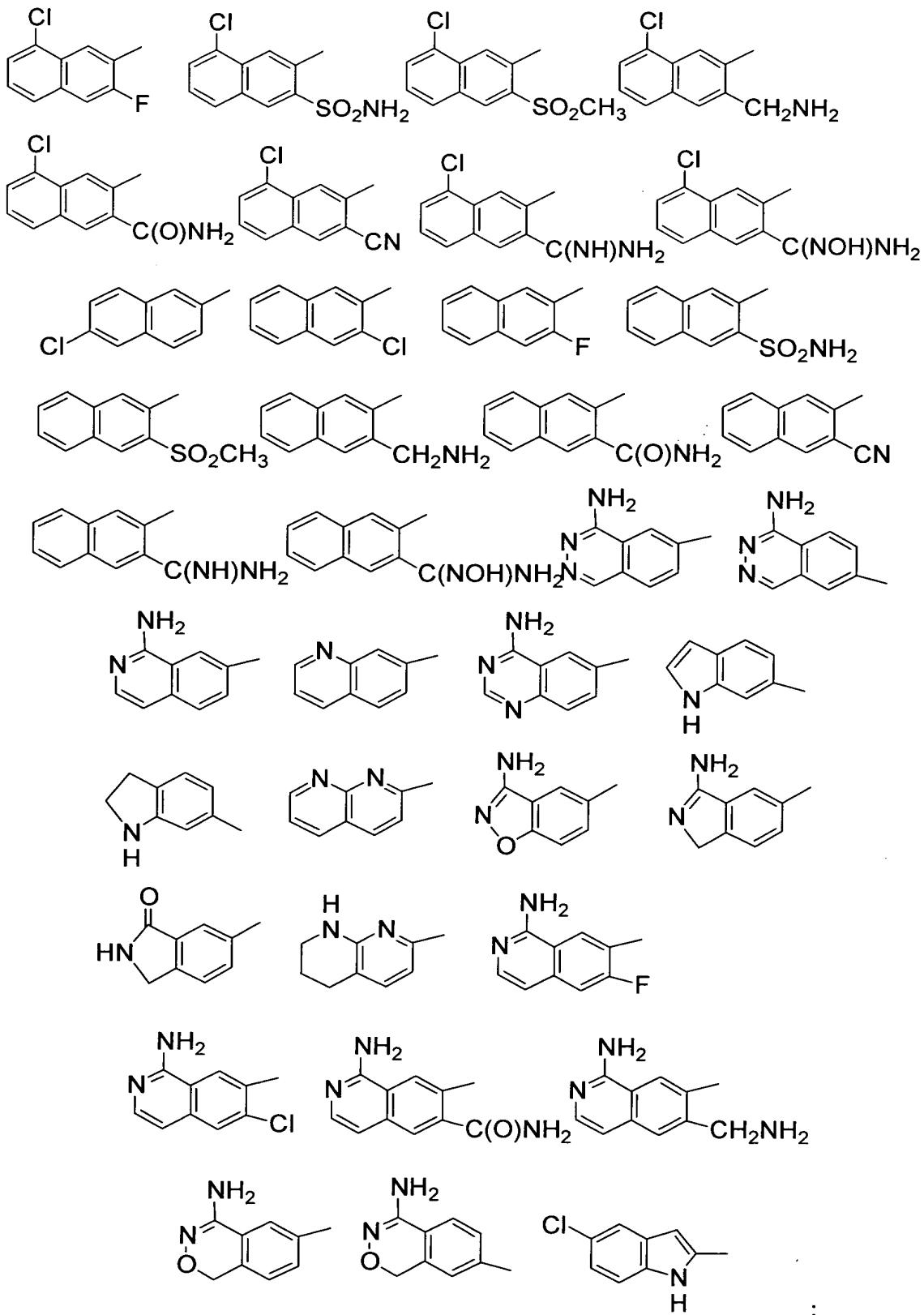
5 ring P, including  $P_1$ ,  $P_2$ ,  $P_3$ , and  $P_4$  is selected from group:



one of  $P_4$  and  $M_4$  is  $-A-B$  and the other  $-G$ ;

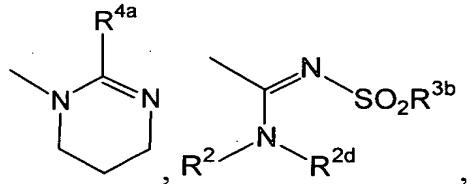
[00671]  $G$  is selected from: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,  
 5 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,  
 2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-6-fluoro-phenyl,  
 2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,  
 2-aminosulfonyl-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl,  
 3-aminomethyl-phenyl, 3-chloro-phenyl, 4-chloro-phenyl, 4-methoxy-phenyl,  
 10 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,  
 6-amino-pyrid-2-yl, 3-midino-phenyl,



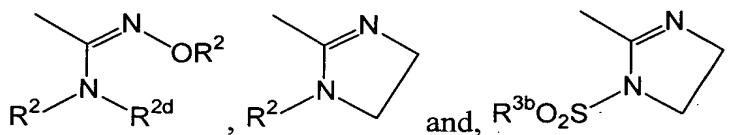


A is selected from the group: cyclohexyl, piperidinyl, phenyl, 2-pyridyl, 3-pyridyl, 2-pyrimidyl, 2-Cl-phenyl, 3-Cl-phenyl, 2-F-phenyl, 3-F-phenyl, 2-methylphenyl, 2-aminophenyl, and 2-methoxyphenyl;

B, provided that Z and B are attached to different atoms on A and that the R<sup>4a</sup>



5 shown is other than OH, is selected from:



alternatively, NR<sup>2</sup>R<sup>2d</sup> combine to form a ring selected from morpholine, piperazine, piperidine, and pyrrolidine;

R<sup>1a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>,

10 CH<sub>2</sub>F, CH<sub>2</sub>Cl, Br, CH<sub>2</sub>Br, -CN, CH<sub>2</sub>CN, CF<sub>3</sub>, CH<sub>2</sub>CF<sub>3</sub>, OCH<sub>3</sub>, CH<sub>2</sub>OH, C(CH<sub>3</sub>)<sub>2</sub>OH, CH<sub>2</sub>OCH<sub>3</sub>, NH<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, NHCH<sub>3</sub>, CH<sub>2</sub>NHCH<sub>3</sub>, N(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, CO<sub>2</sub>H, COCH<sub>3</sub>, CO<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CO<sub>2</sub>CH<sub>3</sub>, SCH<sub>3</sub>, CH<sub>2</sub>SCH<sub>3</sub>, S(O)CH<sub>3</sub>, CH<sub>2</sub>S(O)CH<sub>3</sub>, S(O)<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>S(O)<sub>2</sub>CH<sub>3</sub>, C(O)NH<sub>2</sub>, CH<sub>2</sub>C(O)NH<sub>2</sub>, SO<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>SO<sub>2</sub>NH<sub>2</sub>, NSO<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>NHSO<sub>2</sub>CH<sub>3</sub>, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, 15 pyridin-2-yl-N-oxide, pyridin-3-yl-N-oxide, pyridin-4-yl-N-oxide, imidazol-1-yl, CH<sub>2</sub>-imidazol-1-yl, 4-methyl-oxazol-2-yl, 4-N,N-dimethylaminomethyl-oxazol-2-yl, 1,2,3,4-tetrazol-1-yl, 1,2,3,4-tetrazol-5-yl, CH<sub>2</sub>-1,2,3,4-tetrazol-1-yl, and CH<sub>2</sub>-1,2,3,4-tetrazol-5-yl, provided that R<sup>1a</sup> forms other than an N-halo, N-S, or N-CN bond;

20 R<sup>2</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, phenyl substituted with 0-1 R<sup>4b</sup>, benzyl substituted with 0-1 R<sup>4b</sup>, and 5 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1 R<sup>4b</sup>;

R<sup>2a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;

25 alternatively, NR<sup>2</sup>R<sup>2a</sup> forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1 R<sup>4b</sup> and consisting of: carbon atoms, the

nitrogen atom to which R<sup>2</sup> and R<sup>2a</sup> are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2b</sup>, at each occurrence, is selected from OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;

5 R<sup>2c</sup>, at each occurrence, is selected from OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;

R<sup>2d</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, and OCH<sub>3</sub>;

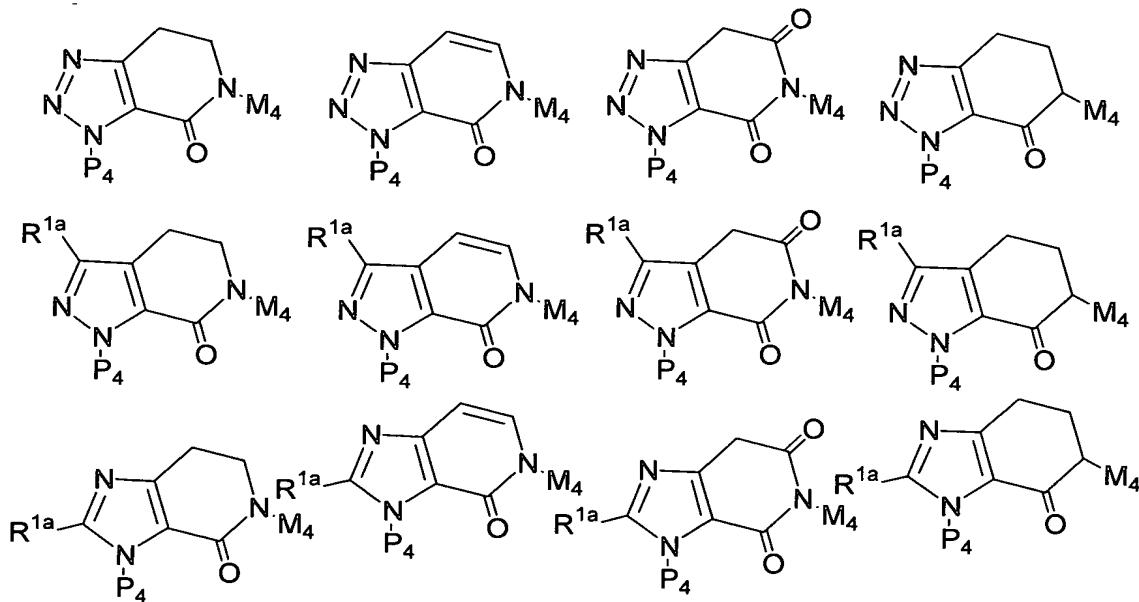
10 R<sup>4a</sup>, at each occurrence, is selected from H, OCH<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>5</sup>, phenyl, 2-oxo-pyrrolidinyl, and 2-oxo-piperidinyl;

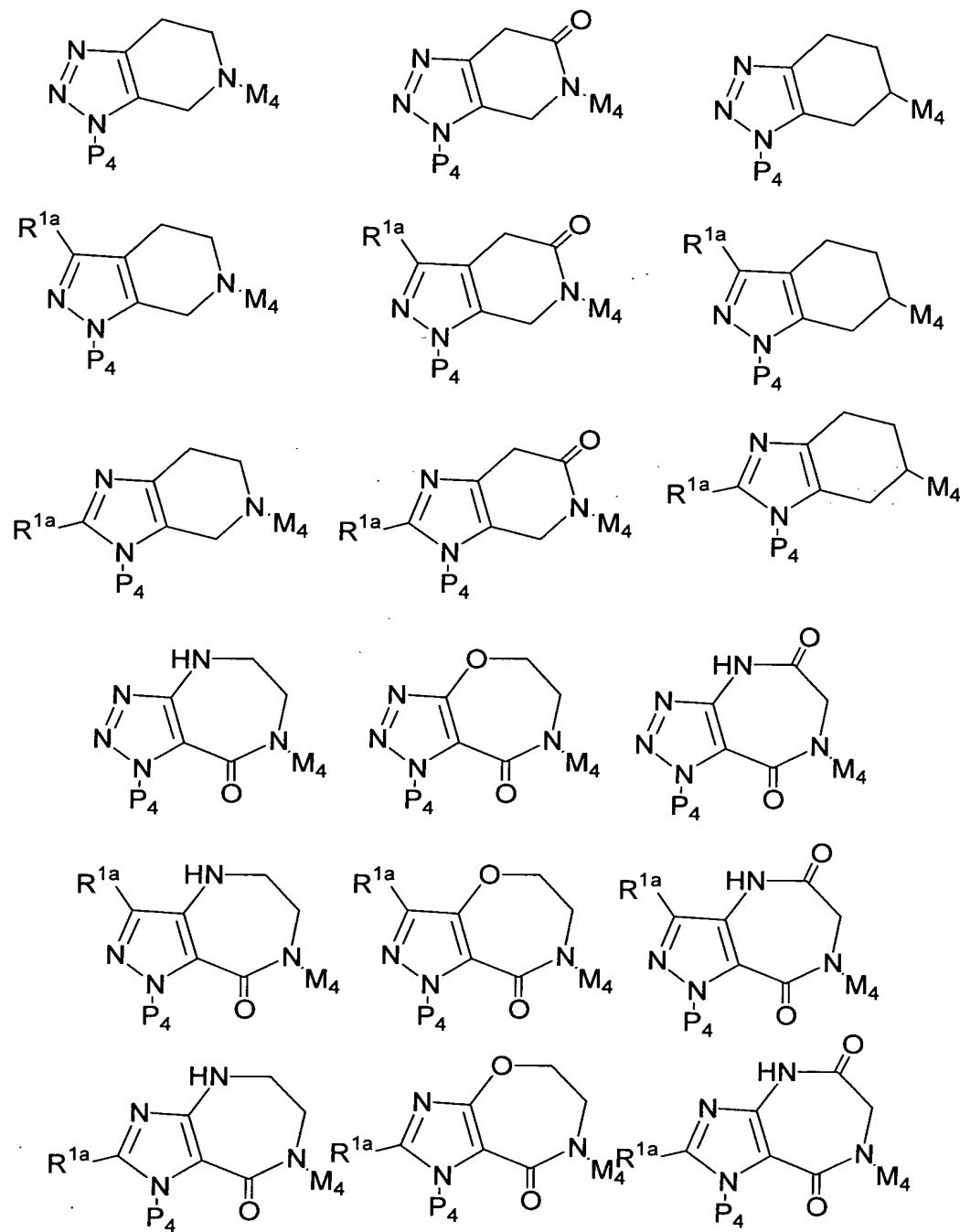
R<sup>4b</sup>, at each occurrence, is selected from H, =O, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>2</sub>CH<sub>3</sub>, S(O)<sub>2</sub>-phenyl, and CF<sub>3</sub>; and

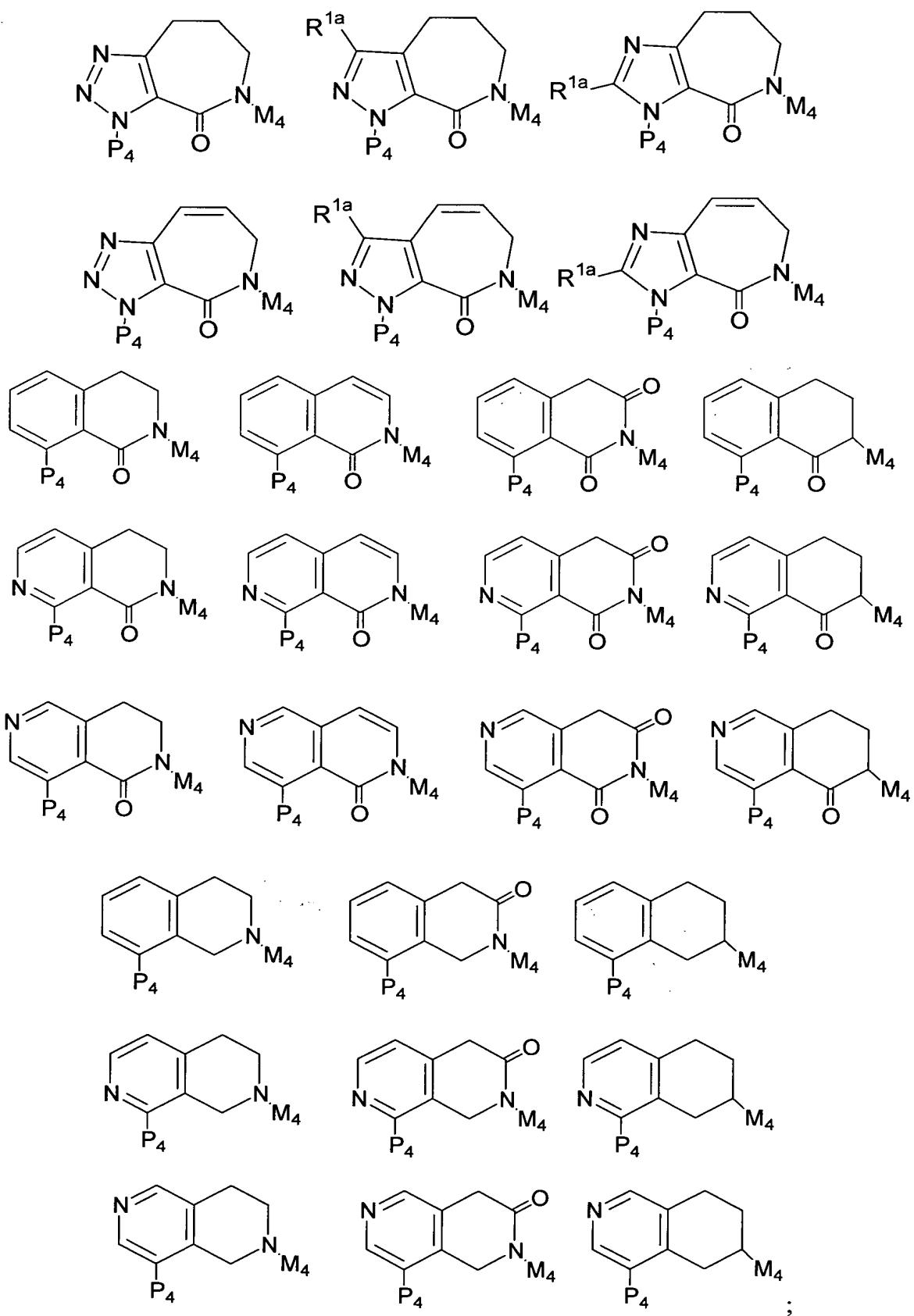
R<sup>5</sup>, at each occurrence, is selected from CH<sub>3</sub> and CH<sub>2</sub>CH<sub>3</sub>.

15

6. A compound according to Claim 5, wherein the compound is selected from:



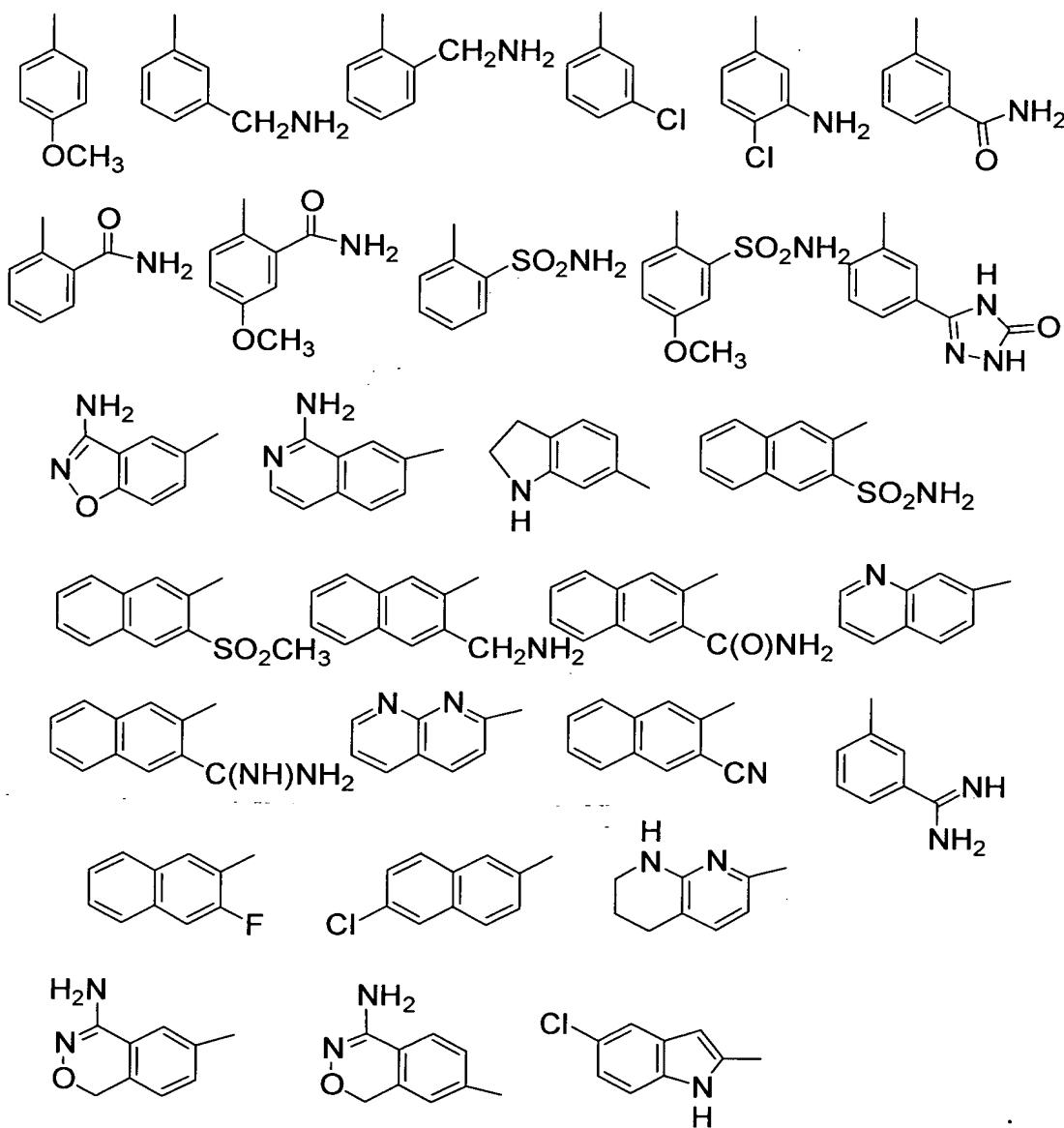




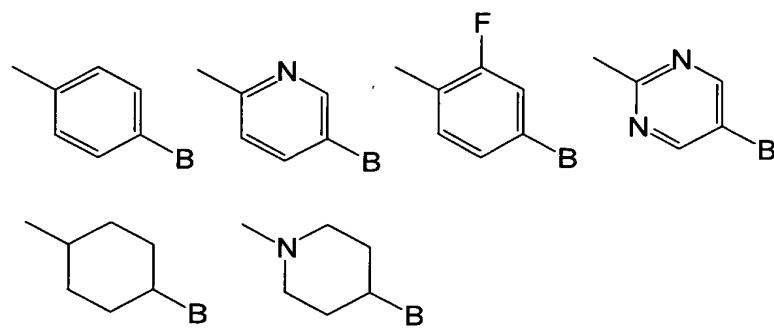
$P_4$  is  $-G$ ;

$M_4$  is -A-B;

G is selected from:

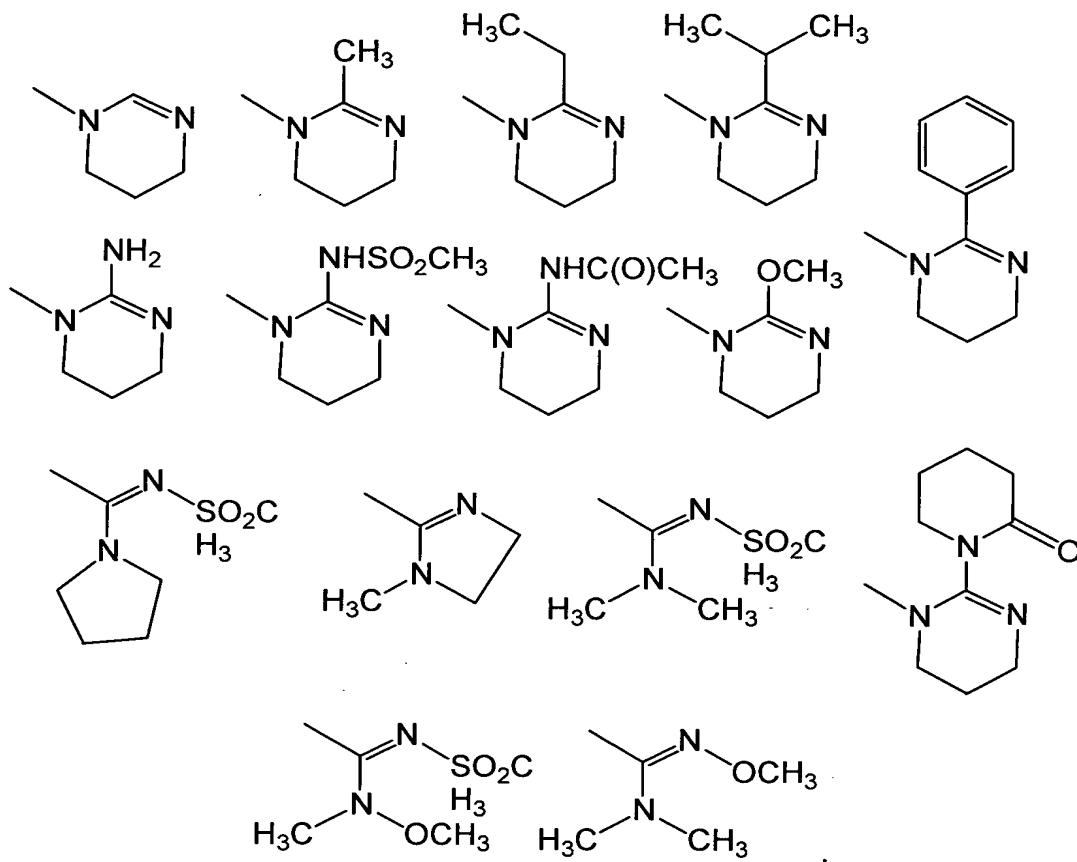


A is selected from:



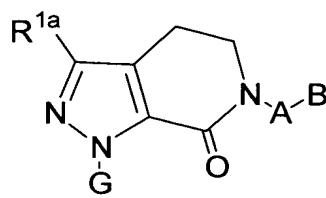
; and

B is selected from:

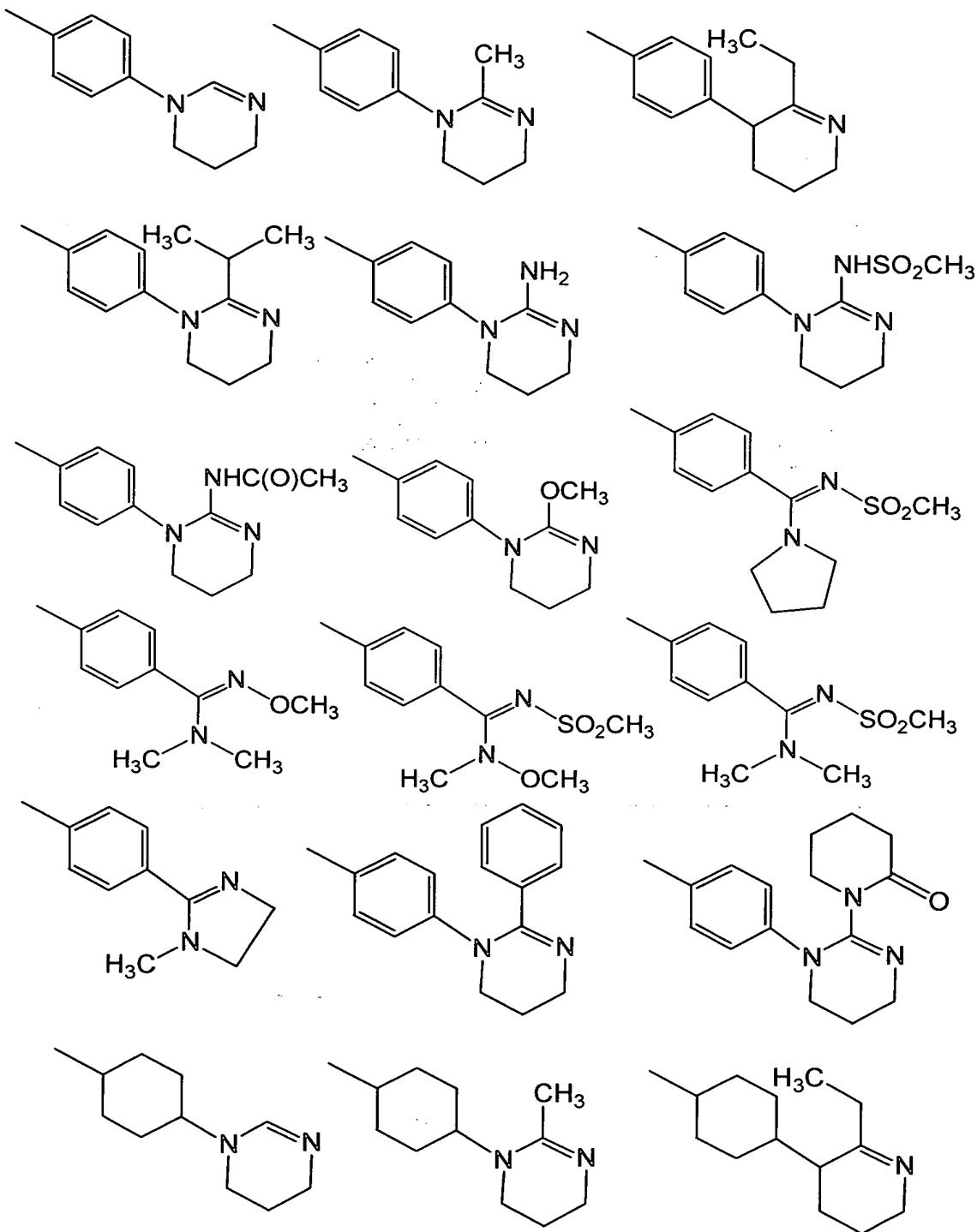


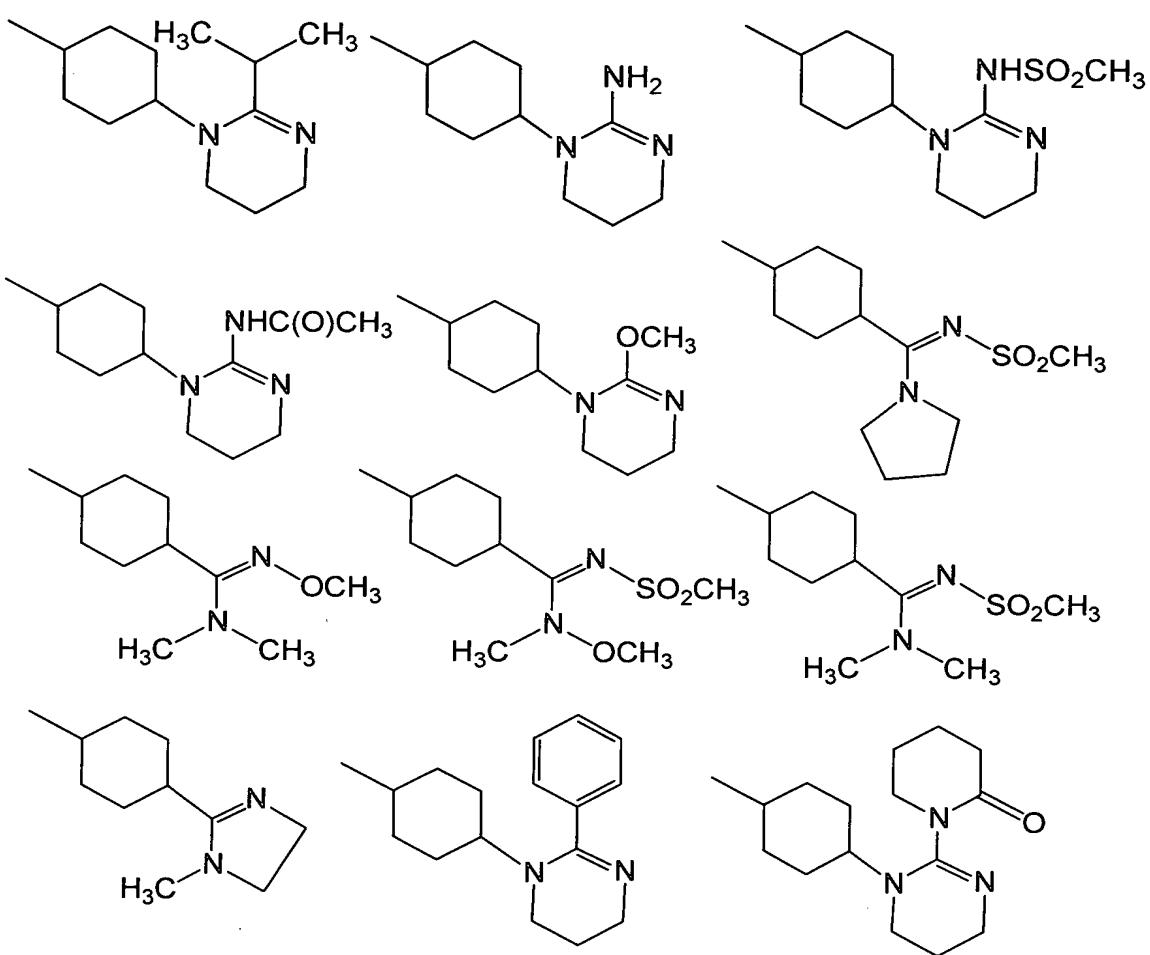
5

7. A compound according to Claim 6, wherein the compound is selected from:



A-B is selected from:





8. A compound according to Claim 1, wherein the compound is selected from  
 5 the group:

6-[4-(5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxy-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

10 6-[4-(2-ethyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(2-isopropyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

15 1-(4-methoxy-phenyl)-6-[4-(2-phenyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;  
N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylamino-methylene)-methanesulfonamide;

5 N-(amino-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;  
N-(dimethylamino-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;

10 N-((ethyl-methyl-amino)-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;  
N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-piperidin-1-yl-methylene)-methanesulfonamide;

15 15 N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-morpholin-4-yl-methylene)-methanesulfonamide;  
N-((benzyl-methyl-amino)-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;

20 20 6-[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;  
6-[4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

25 25 N-({4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-dimethylamino-methylene)-methanesulfonamide;  
N-(dimethylamino-{4-[1-(4-methoxy-phenyl)-3-methyl-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;

30 30

N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-pyrrolidin-1-yl-methylene)-methanesulfonamide;

5 N-({4-[3-isopropenyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-pyrrolidin-1-yl-methylene)-methanesulfonamide;

N-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-methanesulfonamide;

10 (1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-carbamic acid methyl ester;

N-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-acetamide;

15 1-(4-methoxy-phenyl)-6-{4-[2-(2-oxo-piperidin-1-yl)-5,6-dihydro-4H-pyrimidin-1-yl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

20 1-(4-methoxy-phenyl)-6-{4-[2-(2-oxo-pyrrolidin-1-yl)-5,6-dihydro-4H-pyrimidin-1-yl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxy-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-cyano-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

25 6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

N-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-methanesulfonamide;

30 N-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-N-methyl-methanesulfonamide;

N-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-acetamide;

6-[4-(2-methoxy-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

6-[4-(5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

5        3-methanesulfonyl-1-(4-methoxy-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(2-isopropyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

10      3-methanesulfonyl-1-(4-methoxy-phenyl)-6-[4-(2-phenyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

15      3-methanesulfonyl-1-(4-methoxy-phenyl)-6-{4-[2-(2-oxo-piperidin-1-yl)-5,6-dihydro-4H-pyrimidin-1-yl]-phenyl}-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-isopropoxy-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

15      3-{6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-7-oxo-4,5,6,7-tetrahydro-pyrazolo[3,4-c]pyridin-1-yl}-benzamide;

20      3-{3-methanesulfonyl-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-pyrazolo[3,4-c]pyridin-1-yl}-benzamide;

1-(3-chloro-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

25      N-(diethylamino)-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;

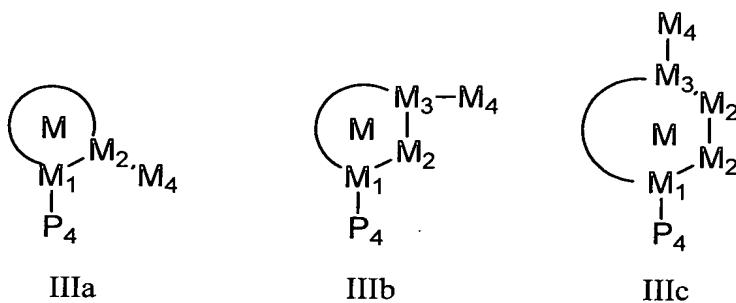
1-(4-methoxy-phenyl)-6-[4-(1-methyl-4,5-dihydro-1H-imidazol-2-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

30      6-[4-(4,5-dihydro-1H-imidazol-2-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(1-methanesulfonyl-4,5-dihydro-1H-imidazol-2-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one; and

2-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-4,5-dihydro-imidazole-1-carboxylic acid ethyl ester; or a pharmaceutically acceptable salt form thereof.

5        9. A compound according to Claim 1, wherein the compound is of Formula IIIa, IIIb, or IIIc:

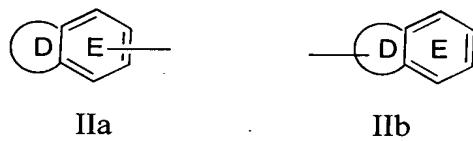


10        or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;  
ring M, including M<sub>1</sub>, M<sub>2</sub>, and, if present, M<sub>3</sub>, is phenyl or a 3-10 membered carbocyclic or 4-10 membered heterocyclic ring consisting of: carbon atoms and 1-4 heteroatoms selected from O, S(O)<sub>p</sub>, N, and NZ<sup>2</sup>;

ring M is substituted with 0-3 R<sup>1a</sup> and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

15        one of P<sub>4</sub> and M<sub>4</sub> is -Z-A-B and the other -G<sub>1</sub>-G;

G is a group of formula IIa or IIb:



20        ring D, including the two atoms of Ring E to which it is attached, is a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

ring D is substituted with 0-2 R and there are 0-3 ring double bonds;

E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and is substituted with 1-3 R;

25        alternatively, ring D is absent, and ring E is selected from phenyl, pyridyl, pyrimidyl, and thienyl, and ring E is substituted with 1-3 R;

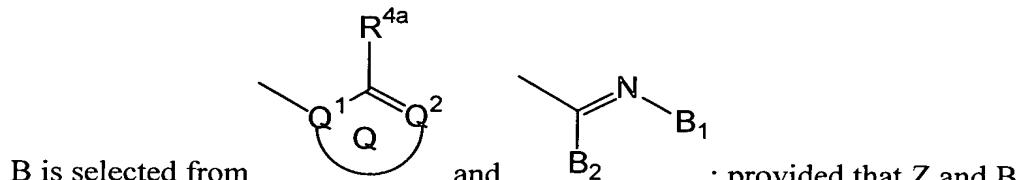
alternatively, ring D is absent, ring E is selected from phenyl, pyridyl, and thiienyl, and ring E is substituted with 1 R and substituted with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, wherein the 5-6 membered heterocycle is substituted with 0-2 carbonyl and 1-2 R and there are 0-3 ring double bonds;

5 R is selected from H, C<sub>1-4</sub> alkyl, F, Cl, OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, OCH(CH<sub>3</sub>)<sub>2</sub>, -CN, C(=NH)NH<sub>2</sub>, C(=NH)NHOH, C(=NH)NHOCH<sub>3</sub>, NH<sub>2</sub>, NH(C<sub>1-3</sub> alkyl), N(C<sub>1-3</sub> alkyl)<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>NR<sup>7</sup>R<sup>8</sup>, C(O)NR<sup>7</sup>R<sup>8</sup>, CH<sub>2</sub>C(O)NR<sup>7</sup>R<sup>8</sup>, S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, CH<sub>2</sub>S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, SO<sub>2</sub>R<sup>3</sup>, and OCF<sub>3</sub>;

10 alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

A is selected from: C<sub>5-10</sub> carbocycle substituted with 0-2 R<sup>4</sup>, and 5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4</sup>;

15



are attached to different atoms on A and that the R<sup>4a</sup> shown is other than OH;

Q<sup>1</sup> and Q<sup>2</sup> are each N;

alternatively, one of Q<sup>1</sup> and Q<sup>2</sup> is CR<sup>3</sup> and R<sup>4a</sup> is NR<sup>2</sup>R<sup>2a</sup> or NR<sup>3a</sup>B<sub>1</sub>, provided that when one of Q<sup>1</sup> and Q<sup>2</sup> is CR<sup>3</sup>, then this R<sup>3</sup> group optionally forms a ring with the R<sup>2</sup> group of R<sup>4a</sup>, this ring is a 5-6 membered ring consisting of, in addition to the C-C-N shown, carbon atoms and from 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-1 R<sup>5</sup>;

ring Q is a 5-6 membered ring consisting of, in addition to the Q<sup>1</sup>-CR<sup>4a</sup>=Q<sup>2</sup> group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and the ring is substituted with an additional 0-2 R<sup>4a</sup>;

B<sub>1</sub> is selected from SO<sub>2</sub>R<sup>3b</sup>, C(O)R<sup>3b</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3b</sup>, C(O)NR<sup>3</sup>R<sup>3b</sup>, OR<sup>2</sup>, and -CN;

$B_2$  is  $NR^2R^{2d}$  or  $CR^3R^2R^{2d}$ ;

alternatively,  $CR^3R^2R^{2d}$  forms a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $S(O)_p$ , and this ring is substituted with 0-2  $R^{4b}$ ;

5 alternatively,  $NR^2R^{2d}$  forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and  $S(O)_p$ , and this ring is substituted with 0-2  $R^{4b}$ ;

alternatively, when  $B_2$  is  $NR^2R^{2d}$ ,  $B_1$  and  $R^{2d}$  combine to form a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected 10 from N, O, and  $S(O)_p$ , and this ring is substituted with 0-2  $R^{4b}$  and the  $R^2$  group of  $NR^2R^{2d}$ , in addition to the groups recited below, is selected from  $SO_2R^{3b}$  and  $C(O)R^{3b}$ ;

$Z$  is selected from a bond,  $CH_2$ ,  $CH_2CH_2$ ,  $CH_2O$ ,  $OCH_2$ ,  $C(O)$ ,  $NH$ ,  $CH_2NH$ ,  $NHCH_2$ ,  $CH_2C(O)$ ,  $C(O)CH_2$ ,  $C(O)NH$ ,  $NHC(O)$ ,  $NHC(O)CH_2C(O)NH$ ,  $S(O)_2$ , 15  $CH_2S(O)_2$ ,  $S(O)_2(CH_2)$ ,  $SO_2NH$ , and  $NHSO_2$ , wherein the right side of  $Z$  is attached to A, provided that  $Z$  does not form a N-S,  $NCH_2N$ ,  $NCH_2O$ , or  $NCH_2S$  bond with either group to which it is attached;

$Z^2$  is selected from H, C<sub>1-4</sub> alkyl, phenyl, benzyl,  $C(O)R^{3b}$ ,  $S(O)R^{3f}$ , and  $S(O)_2R^{3f}$ ;

20  $R^{1a}$ , at each occurrence, is selected from H,  $-(CH_2)_r-R^{1b}$ ,  $-(CH(CH_3))_r-R^{1b}$ ,  $-(C(CH_3)_2)_r-R^{1b}$ ,  $-O-(CR^3R^{3a})_r-R^{1b}$ ,  $-NR^2-(CR^3R^{3a})_r-R^{1b}$ , and  $-S-(CR^3R^{3a})_r-R^{1b}$ , provided that  $R^{1a}$  forms other than an N-halo, N-S, O-O, or N-CN bond;

25 alternatively, when two  $R^{1a}$  groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , this ring being substituted with 0-2  $R^{4b}$  and 0-3 ring double bonds;

$R^{1b}$  is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , F, Cl, Br, I, -CN, -CHO,  $CF_3$ ,  $OR^2$ ,  $NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CO_2R^{2b}$ ,  $OC(O)R^2$ ,  $CO_2R^{2a}$ ,  $S(O)_pR^{2b}$ ,  $NR^2(CH_2)_rOR^2$ ,  $NR^2C(O)R^{2b}$ ,  $NR^2C(O)NHR^2$ ,  $NR^2C(O)_2R^{2a}$ ,  $OC(O)NR^2R^{2a}$ ,

C(O)NR<sup>2</sup>R<sup>2a</sup>, C(O)NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>2</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and substituted with 0-2 R<sup>4b</sup>, provided that R<sup>1b</sup> forms other than an O-O, N-halo, N-S, or

5 N-CN bond;

R<sup>2</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, a -CH<sub>2</sub>-C<sub>5-6</sub> carbocyclic group substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

10 R<sup>2a</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>,

15 and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>; alternatively, NR<sup>2</sup>R<sup>2a</sup> forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2 R<sup>4b</sup> and consisting of: carbon atoms, the nitrogen atom to which R<sup>2</sup> and R<sup>2a</sup> are attached, and 0-1 additional heteroatoms

20 selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2b</sup>, at each occurrence, is selected from CF<sub>3</sub>, C<sub>1-4</sub> alkoxy, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

25 R<sup>2c</sup>, at each occurrence, is selected from CF<sub>3</sub>, OH, C<sub>1-4</sub> alkoxy, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle containing from 1-4

heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

- R<sup>2d</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, C<sub>1-4</sub> alkoxy, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>,
- 5 C(CH<sub>3</sub>)<sub>3</sub>, benzyl substituted with 0-2 R<sup>4b</sup>, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;
- R<sup>3</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, and phenyl;
- 10 R<sup>3a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, and phenyl; alternatively, NR<sup>3</sup>R<sup>3a</sup> forms a 5 or 6 membered saturated, partially unsaturated, or unsaturated ring consisting of: carbon atoms and the nitrogen atom to which R<sup>3</sup> and R<sup>3a</sup> are attached;
- 15 R<sup>3b</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -(C<sub>0-1</sub> alkyl)-5-6 membered carbocycle substituted with 0-1 R<sup>1a</sup>, and -(C<sub>0-1</sub> alkyl)-5-6 membered heterocycle substituted with 0-1 R<sup>1a</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;
- 20 R<sup>3c</sup>, at each occurrence, is selected from CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, and phenyl;
- R<sup>3d</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>-phenyl, CH<sub>2</sub>CH<sub>2</sub>-phenyl, and C(=O)R<sup>3c</sup>;
- R<sup>4</sup>, at each occurrence, is selected from H, =O, OR<sup>2</sup>, CH<sub>2</sub>OR<sup>2</sup>, (CH<sub>2</sub>)<sub>2</sub>OR<sup>2</sup>, F,
- 25 Cl, Br, I, C<sub>1-4</sub> alkyl, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, (CH<sub>2</sub>)<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2c</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, S(O)<sub>p</sub>R<sup>5a</sup>, CF<sub>3</sub>, CF<sub>2</sub>CF<sub>3</sub>, 5-6 membered carbocycle substituted with 0-1 R<sup>5</sup>, and a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1 R<sup>5</sup>;

$R^{4a}$ , at each occurrence, is selected from H,  $CH_2OR^2$ ,  $OR^2$ ,  $C_{1-4}$  alkyl, -CN,  $CH_2CN$ ,  $NO_2$ ,  $CH_2NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $CH_2C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $(CH_2)_rC(O)NR^2R^{2a}$ ,  $NR^2C(O)NR^2R^{2a}$ ,  $(CH_2)_rSO_2NR^2R^{2a}$ ,  $NR^2SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^5$ ,  $(CH_2)_rS(O)_pR^{5a}$ ,  $CF_3$ ,  $CH_2CF_3$ ,  $CH_2$ -5-6 membered carbocycle substituted with 0-1  $R^5$ , 5-6 membered carbocycle substituted with 0-1  $R^5$ , a  $CH_2$ -5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ , and a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ ;

5            $R^{4b}$ , at each occurrence, is selected from H, =O,  $OR^3$ ,  $CH_2OR^3$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $CH_2NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $CH_2C(O)NR^3R^{3a}$ ,  $NR^3C(O)NR^3R^{3a}$ ,  $CH_2NR^3C(O)NR^3R^{3a}$ ,

10           $C(=NR^3)NR^3R^{3a}$ ,  $CH_2C(=NR^3)NR^3R^{3a}$ ,  $NR^3C(=NR^3)NR^3R^{3a}$ ,  $CH_2NR^3C(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $CH_2SO_2NR^3R^{3a}$ ,  $NR^3SO_2NR^3R^{3a}$ ,  $CH_2NR^3SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $CH_2NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $CH_2NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $CH_2NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  $CH_2S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $CH_2S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CH_2S(O)_p$ -phenyl,  $CF_3$ , and

15           $CH_2CF_3$ ;

20           $R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ ,  $OR^3$ ,  $CH_2OR^3$ , F, Cl, -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $NR^3C(O)NR^3R^{3a}$ ,  $CH(=NOR^{3d})$ ,

25           $C(=NR^3)NR^3R^{3a}$ ,  $NR^3C(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CF_3$ , phenyl substituted with 0-2  $R^6$ , naphthyl substituted with 0-2  $R^6$ , and benzyl substituted with 0-2  $R^6$ ; and,

R<sup>6</sup>, at each occurrence, is selected from H, OH, OR<sup>2</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CH<sub>2</sub>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)NR<sup>2</sup>R<sup>2a</sup>, C(=NH)NH<sub>2</sub>, NHC(=NH)NH<sub>2</sub>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, 5 and NR<sup>2</sup>SO<sub>2</sub>C<sub>1-4</sub> alkyl.

10. A compound according to Claim 9, wherein:

ring M, including M<sub>1</sub>, M<sub>2</sub>, and, if present, M<sub>3</sub>, is selected from phenyl, pyrrole, furan, thiophene, pyrazole, imidazole, isoxazole, oxazole, isothiazole, 10 thiazole, 1,2,3-triazole, 1,2,4-triazole, 1,3,4-triazole, 1,2,3-oxadiazole, 1,2,4-oxadiazole, 1,3,4-oxadiazole, 1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,3,4-thiadiazole, 1,2,3,4-tetrazole, 1,2,3,5-tetrazole, pyran, thiopyran, thiopyran-1,1-dioxide, pyridine, pyrimidine, pyridazine, pyrazine, 1,2,3-triazine, 1,2,4-triazine, 1,2,3,4-tetrazine, dihydro-pyrrole, dihydro-furan, dihydro-thiophene, dihydro-pyrazole, dihydro-imidazole, dihydro-isoxazole, dihydro-oxazole, dihydro-isothiazole, dihydro-thiazole, 15 dihydro-1,2,3-triazole, dihydro-1,2,4-triazole, dihydro-1,3,4-triazole, dihydro-1,2,3-oxadiazole, dihydro-1,2,4-oxadiazole, dihydro-1,3,4-oxadiazole, dihydro-1,2,3-thiadiazole, dihydro-1,2,4-thiadiazole, dihydro-1,3,4-thiadiazole, dihydro-1,2,3,4-tetrazole, dihydro-1,2,3,5-tetrazole, dihydro-pyran, dihydro-thiopyran, dihydro-thiopyran-1,1-dioxide, dihydro-pyridine, dihydro-pyrimidine, dihydro-pyridazine, 20 dihydro-pyrazine, dihydro-1,2,3-triazine, dihydro-1,2,4-triazine, dihydro-1,2,3,4-tetrazine, cyclopropane, cyclobutane, cyclopentene, cyclopentane, cyclohexene, cyclohexane, cycloheptane, tetrahydro-pyrrole, tetrahydro-furan, tetrahydro-thiophene, tetrahydro-thiophene-1,1-dioxide, tetrahydro-pyrazole, tetrahydro-imidazole, tetrahydro-isoxazole, tetrahydro-oxazole, tetrahydro-isothiazole, 25 tetrahydro-thiazole, tetrahydro-1,2,3-triazole, tetrahydro-1,2,4-triazole, tetrahydro-1,3,4-triazole, tetrahydro-1,2,3-oxadiazole, tetrahydro-1,2,4-oxadiazole, tetrahydro-1,3,4-oxadiazole, tetrahydro-1,2,3-thiadiazole, tetrahydro-1,2,4-thiadiazole, tetrahydro-1,3,4-thiadiazole, tetrahydro-1,2,3,4-tetrazole, tetrahydro-1,2,3,5-tetrazole, 30 tetrahydro-pyran, tetrahydro-thiopyran, tetrahydro-thiopyran-1,1-dioxide, tetrahydro-pyridine, tetrahydro-pyrimidine, tetrahydro-pyridazine, tetrahydro-pyrazine, tetrahydro-1,2,3-triazine, tetrahydro-1,2,4-triazine, tetrahydro-1,2,3,4-tetrazine,

piperidine, indan, 1,2,3,4-tetrahydro-naphthalene, 7,8-dimethyl-1-oxa-spiro[4.4]nonane, 6,7-dihydro-5H-[1]pyrindine, 6,7-dihydro-5H-[2]pyrindine, 5,6,7,8-tetrahydro-quinoline, 5,6,7,8-tetrahydro-isoquinoline, 5,6,7,8-tetrahydro-quinoxaline, 6,7-dihydro-5H-cyclopentapyrazine, 4,5,6,7-tetrahydro-1H-benzoimidazole, 4,5,6,7-tetrahydro-benzothiazole, 4,5,6,7-tetrahydro-benzooxazole, 4,5,6,7-tetrahydro-benzo[c]isothiazole, 4,5,6,7-tetrahydro-benzo[c]isoxazole, 4,5,6,7-tetrahydro-2H-indazole, 4,5,6,7-tetrahydro-2H-isoindole, and 4,5,6,7-tetrahydro-1H-indole;

ring M is substituted with 0-3 R<sup>1a</sup> and 0-1 carbonyl group;

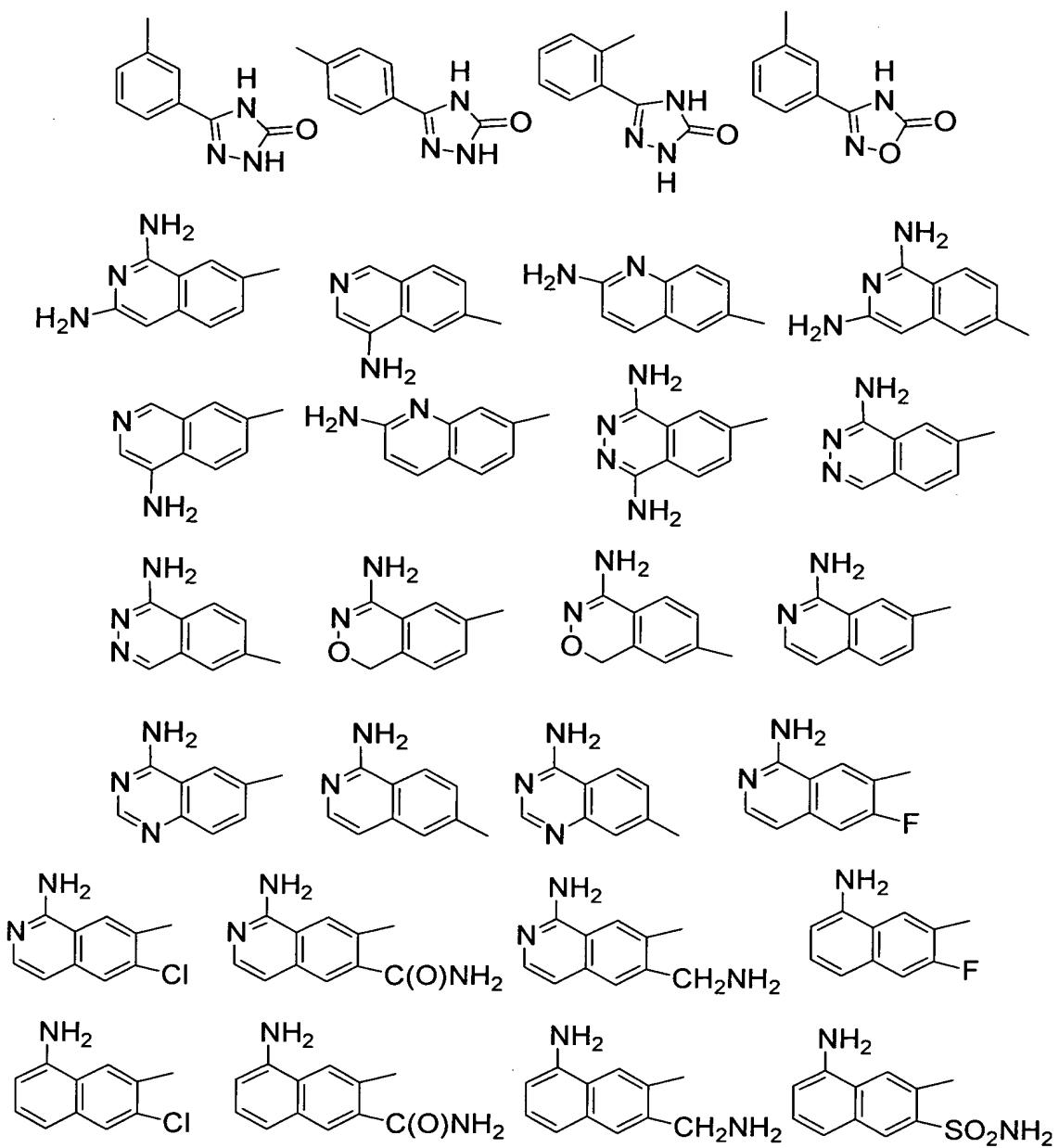
[00672] G is selected from the group: phenyl, 4-ethyl-phenyl,

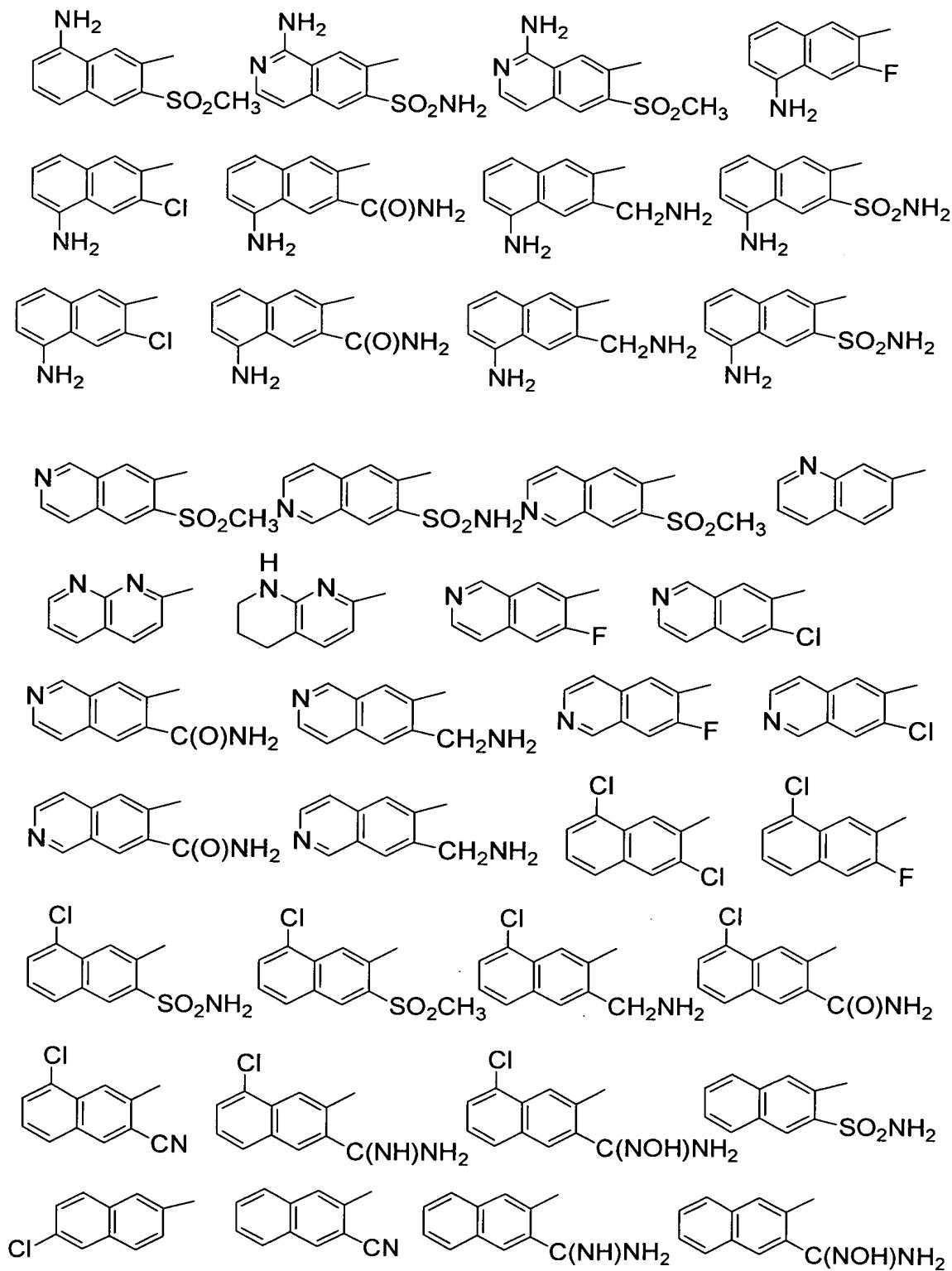
10 2,5-bis-aminomethyl-phenyl, 2-amido-4-methoxy-phenyl, 2-amido-5-chloro-phenyl, 2-amido-phenyl, 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-3-methoxy-phenyl, 2-aminomethyl-4-fluoro-phenyl, 2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-5-methoxy-phenyl, 2-aminomethyl-6-fluoro-phenyl, 2-aminomethyl-phenyl; 2-amino-pyrid-4-yl,

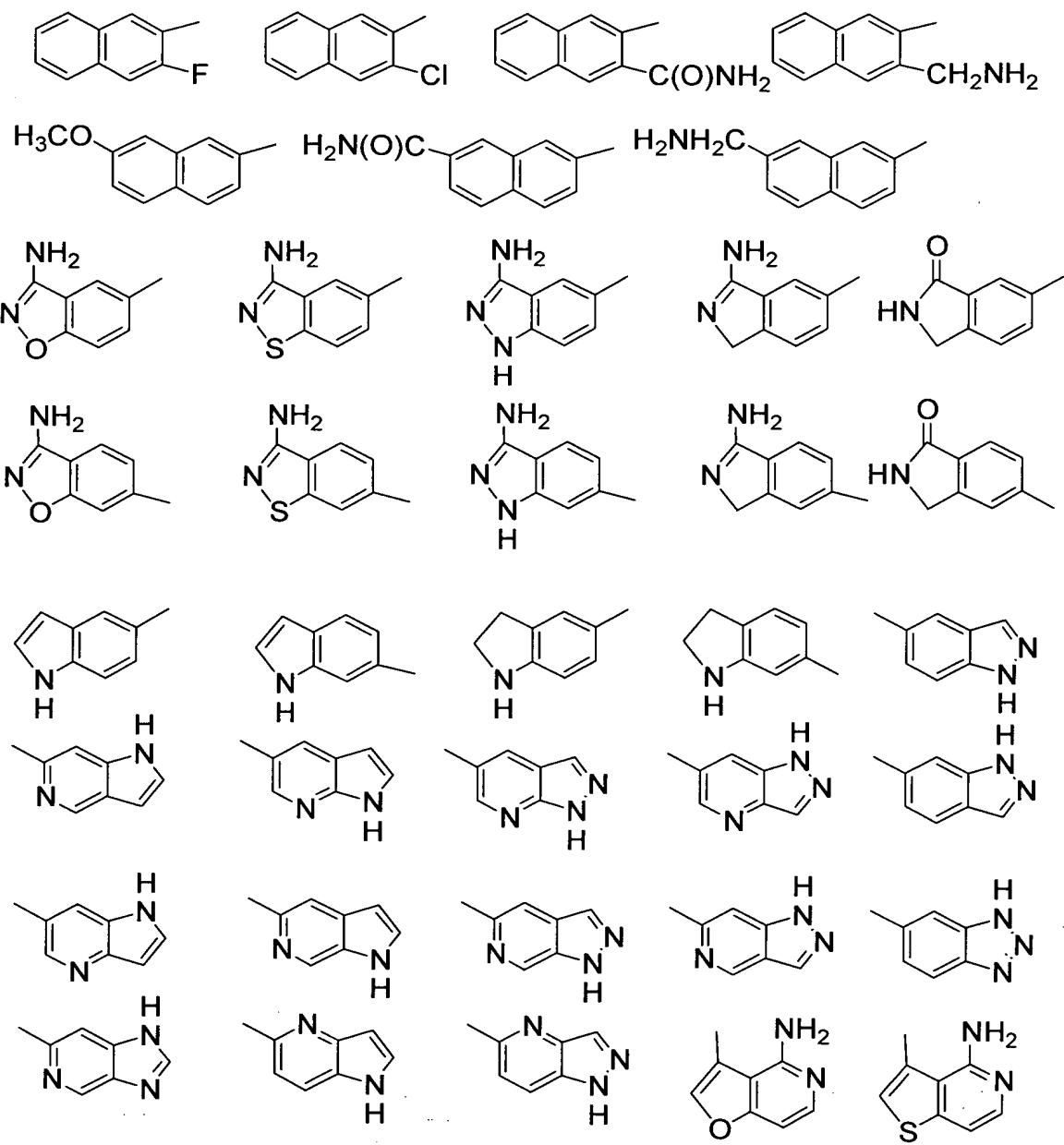
15 2-aminosulfonyl-4-methoxy-phenyl, 2-aminosulfonyl-phenyl, 2-hydroxy-4-methoxy-phenyl, 2-methylsulfonyl-phenyl, 3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl, 3-(N-hydroxy-amidino)-phenyl, 3-(N-methoxy-amidino)-phenyl, 3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amidino-phenyl,

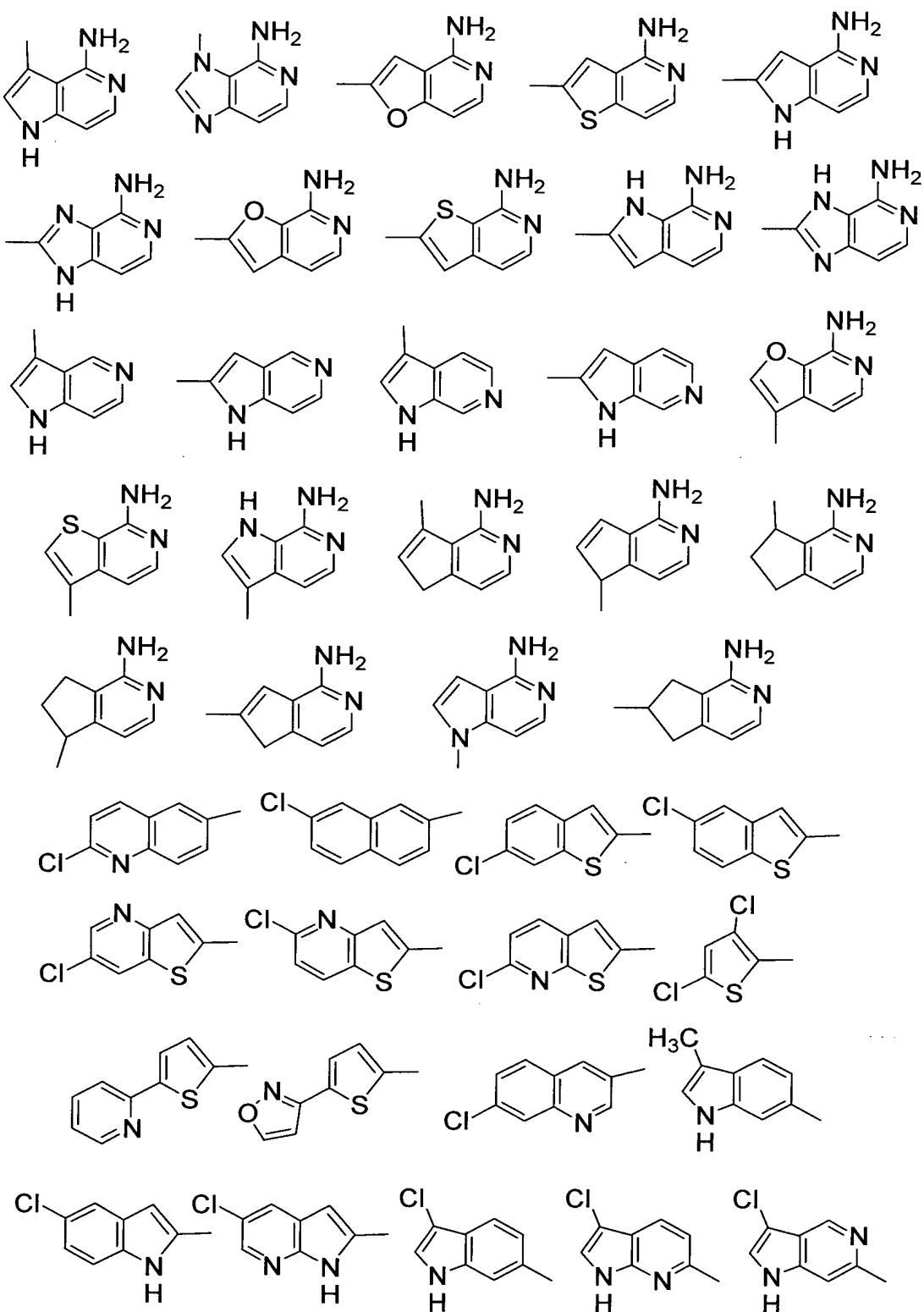
20 3-amido-6-hydroxy-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-4-fluoro-phenyl, 3-chloro-phenyl, 3-hydroxy-4-methoxy-phenyl, 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl, 4-amino-5-chloro-thien-2-yl, 4-amino-pyrid-2-yl, 4-chloro-3-fluoro-phenyl, 4-chloro-phenyl, 4-chloro-pyrid-2-yl,

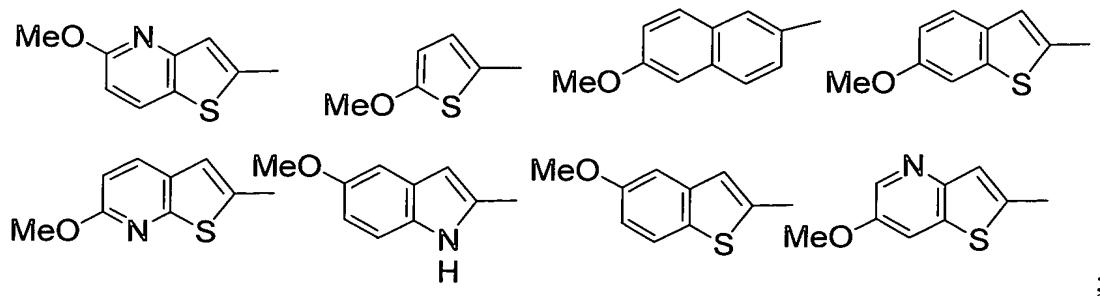
25 4-methoxy-2-methylsulfonyl-phenyl, 4-methoxy-phenyl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl, 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl, 5-chloro-2-aminosulfonyl-phenyl, 5-chloro-2-methylsulfonyl-phenyl, 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl, 6-amino-pyrid-2-yl,











$G_1$  is absent or is selected from  $(CR^3R^{3a})_{1-3}$ ,  $CR^3=CR^3$ ,

$(CR^3R^{3a})_uC(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uO(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_w$ ,

5  $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uS(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_uS(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_uS(O)_2(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_uS(O)NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_u NR^{3b}S(O)_2(CR^3R^{3a})_w$ , and

$(CR^3R^{3a})_uS(O)_2NR^{3b}(CR^3R^{3a})_w$ , wherein  $u+w$  or  $u+u+w$  total 0, 1, or 2, wherein the right side of  $G_1$  is attached to  $G$ , provided that  $G_1$  does not form a N-S,  $NCH_2N$ ,

10 N $CH_2O$ , or N $CH_2S$  bond with either group to which it is attached;

A is selected from one of the following carbocyclic and heterocyclic groups which are substituted with 0-2 R<sup>4</sup>; cyclohexyl, phenyl, piperidinyl, piperazinyl, pyridyl, pyrimidyl, furanyl, morpholinyl, thienyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, 1,2,3-oxadiazolyl,

15 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, 1,2,3-thiadiazolyl, 1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, benzofuranyl, benzothiofuranyl, indolinyl, indolyl, benzimidazolyl, benzoxazolyl, benzthiazolyl, indazolyl, benzisoxazolyl, benzisothiazolyl, and isoindazolyl;

20 B is selected from

and

; provided that Z and B are attached to different atoms on A and that the R<sup>4a</sup> shown is other than OH;

ring Q is a 5-6 membered ring consisting of, in addition to the N-CR<sup>4a</sup>=N group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and the ring is substituted with an additional 0-2 R<sup>4a</sup>;

B<sub>1</sub> is selected from SO<sub>2</sub>R<sup>3b</sup> and OR<sup>2</sup>;

5       B<sub>2</sub> is NR<sup>2</sup>R<sup>2d</sup>;

alternatively, NR<sup>2</sup>R<sup>2d</sup> forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup>;

10      alternatively, B<sub>1</sub> and R<sup>2d</sup> combine to form a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2 R<sup>4b</sup> and the R<sup>2</sup> group of NR<sup>2</sup>R<sup>2d</sup>, in addition to the groups recited below, can be SO<sub>2</sub>R<sup>3b</sup>;

R<sup>1a</sup> is selected from H, R<sup>1b</sup>, CH(CH<sub>3</sub>)R<sup>1b</sup>, C(CH<sub>3</sub>)<sub>2</sub>R<sup>1b</sup>, CH<sub>2</sub>R<sup>1b</sup>, and CH<sub>2</sub>CH<sub>2</sub>R<sup>1b</sup>, provided that R<sup>1a</sup> forms other than an N-halo, N-S, or N-CN bond;

15      alternatively, when two R<sup>1a</sup> groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, this ring being substituted with 0-2 R<sup>4b</sup> and 0-3 ring double bonds;

20      R<sup>1b</sup> is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, F, Cl, Br, -CN, -CHO, CF<sub>3</sub>, OR<sup>2</sup>, NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CO<sub>2</sub>R<sup>2b</sup>, OC(O)R<sup>2</sup>, CO<sub>2</sub>R<sup>2a</sup>, S(O)<sub>p</sub>R<sup>2b</sup>, NR<sup>2</sup>(CH<sub>2</sub>)<sub>r</sub>OR<sup>2</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>2</sup>, phenyl substituted with 0-2 R<sup>4b</sup>, and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and substituted with 0-2 R<sup>4b</sup>, provided that R<sup>1b</sup> forms other than an O-O, N-halo, N-S, or N-CN bond;

25      R<sup>2</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, phenyl substituted with 0-2 R<sup>4b</sup>, a benzyl substituted with 0-2 R<sup>4b</sup>, and a 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>;

$R^{2a}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-2  $R^{4b}$ , phenyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

5            alternatively,  $NR^2R^{2a}$  forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2  $R^{4b}$  and consisting of: carbon atoms, the nitrogen atom to which  $R^2$  and  $R^{2a}$  are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

10           $R^{2b}$ , at each occurrence, is selected from  $CF_3$ , C<sub>1-4</sub> alkoxy,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-2  $R^{4b}$ , phenyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

15           $R^{2c}$ , at each occurrence, is selected from  $CF_3$ , OH,  $OCH_3$ ,  $OCH_2CH_3$ ,  $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-2  $R^{4b}$ , phenyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ ;

20           $R^{2d}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $OCH_3$ , and benzyl;

$R^{3b}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ , and  $CH(CH_3)_2$ ;

25           $R^4$ , at each occurrence, is selected from H,  $OR^2$ ,  $CH_2OR^2$ ,  $(CH_2)_2OR^2$ , F, Cl, Br, I,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $(CH_2)_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $CF_3$ , and  $CF_2CF_3$ ;

$R^{4a}$ , at each occurrence, is selected from H,  $OR^2$ ,  $CH_2OR^2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,

C(CH<sub>3</sub>)<sub>3</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2c</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>C(O)NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>5</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, 6 membered carbocycle substituted with 0-1 R<sup>5</sup>, and a 5-6 membered heterocycle consisting of: carbon atoms and 1-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted

5 with 0-1 R<sup>5</sup>;

R<sup>4b</sup>, at each occurrence, is selected from H, =O, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -CN, NO<sub>2</sub>, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, CH<sub>2</sub>C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, CH<sub>2</sub>C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl,

10 CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl, NR<sup>3</sup>SO<sub>2</sub>-phenyl, CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>p</sub>CF<sub>3</sub>, CH<sub>2</sub>S(O)<sub>p</sub>CF<sub>3</sub>, S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, CH<sub>2</sub>S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, S(O)<sub>p</sub>-phenyl, CH<sub>2</sub>S(O)<sub>p</sub>-phenyl, and CF<sub>3</sub>;

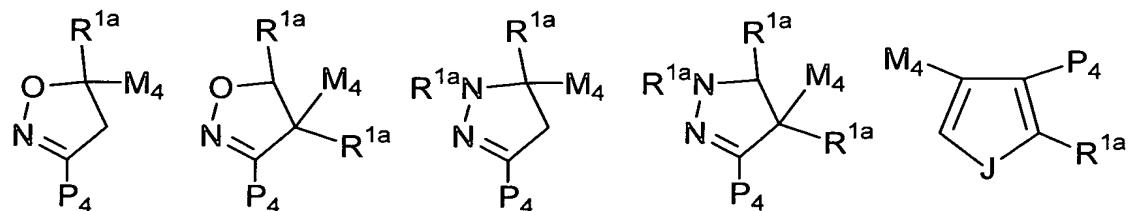
R<sup>5</sup>, at each occurrence, is selected from H, =O, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, -CN, NO<sub>2</sub>, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>,

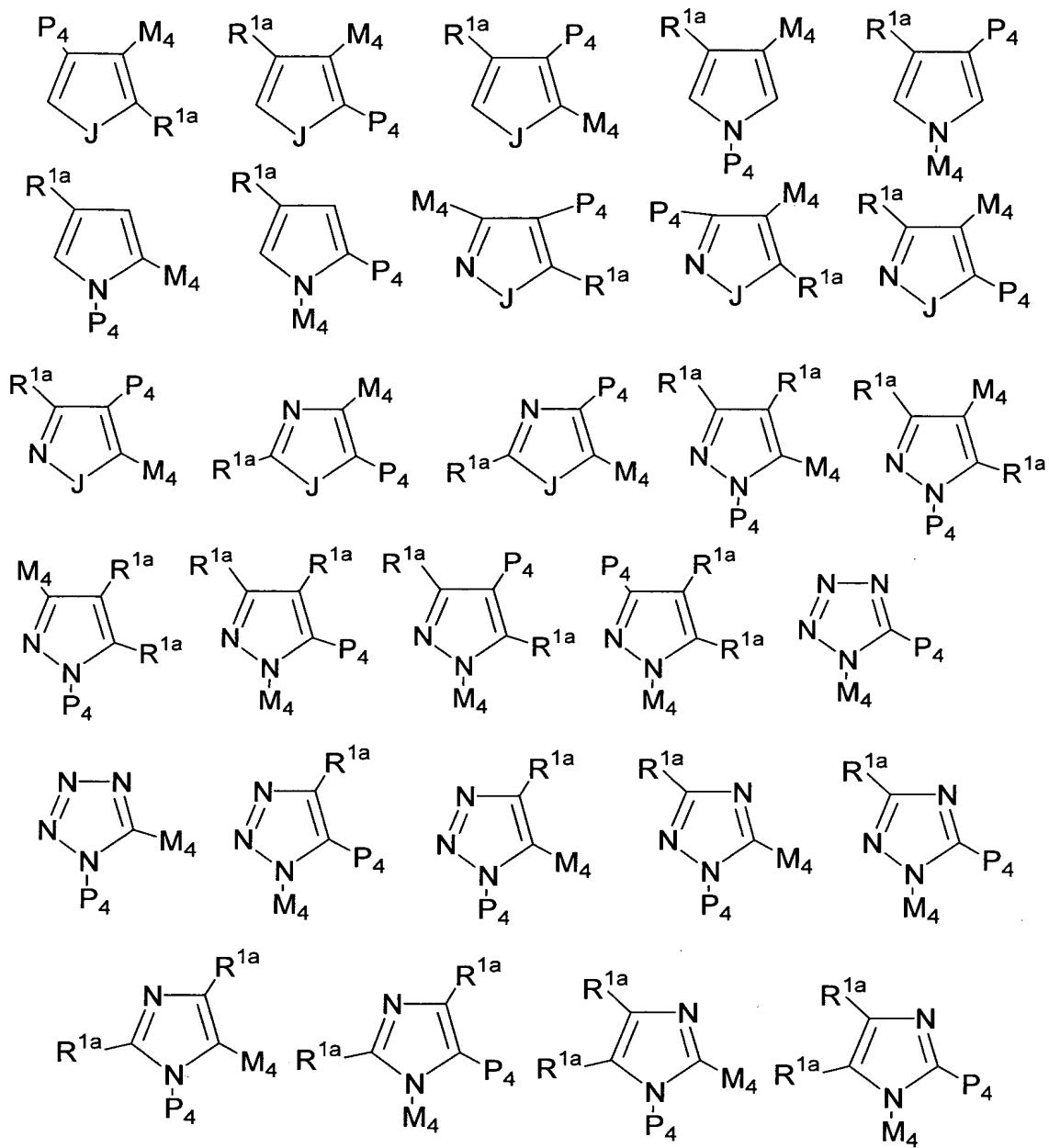
15 CH<sub>2</sub>C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, CH<sub>2</sub>C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, CF<sub>3</sub>, phenyl substituted with 0-2 R<sup>6</sup>, naphthyl substituted with 0-2 R<sup>6</sup>, and benzyl substituted with 0-2 R<sup>6</sup>; and,

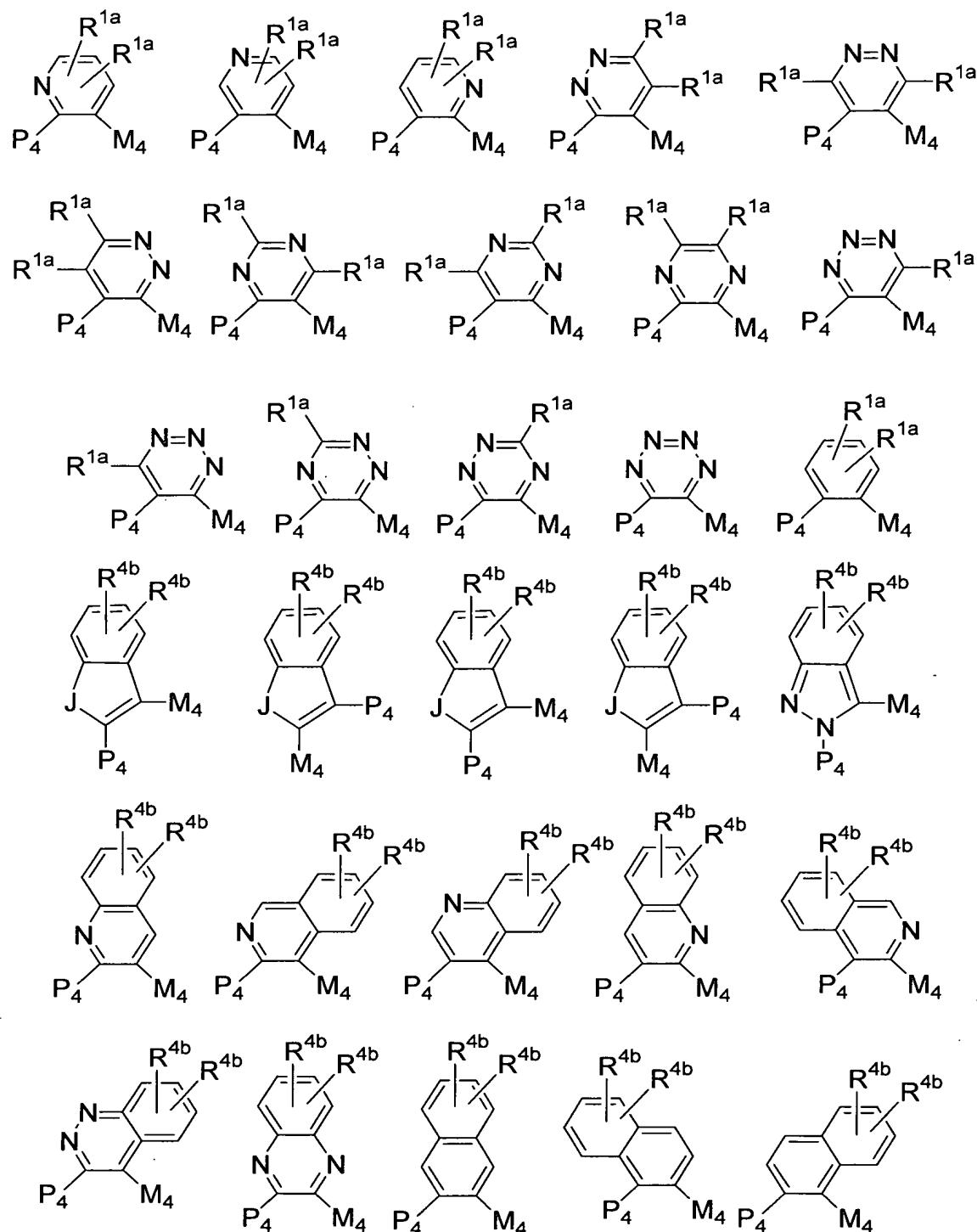
R<sup>6</sup>, at each occurrence, is selected from H, OH, OR<sup>2</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CH<sub>2</sub>C(O)R<sup>2b</sup>,

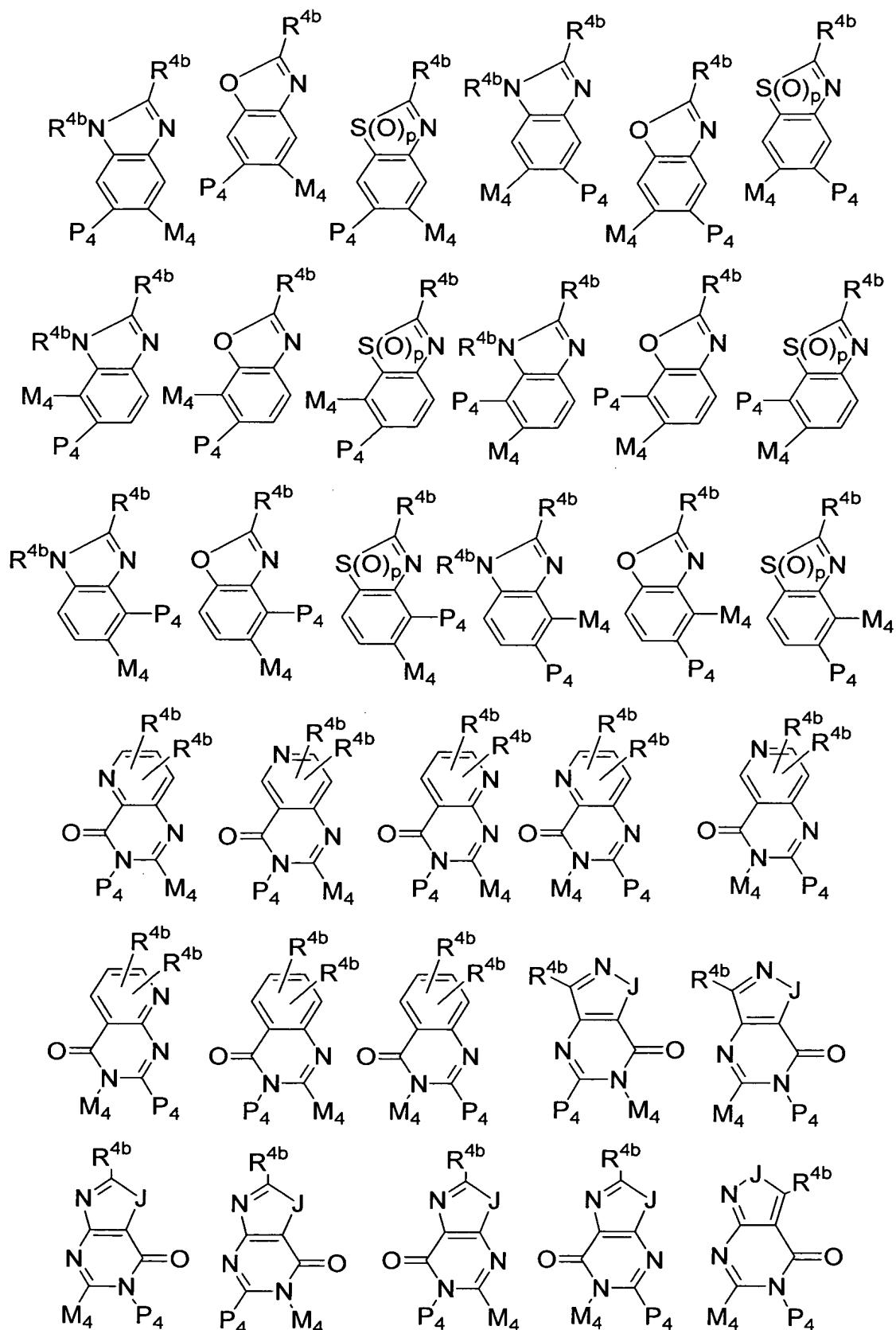
20 NR<sup>2</sup>C(O)R<sup>2b</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, and NR<sup>2</sup>SO<sub>2</sub>C<sub>1-4</sub> alkyl.

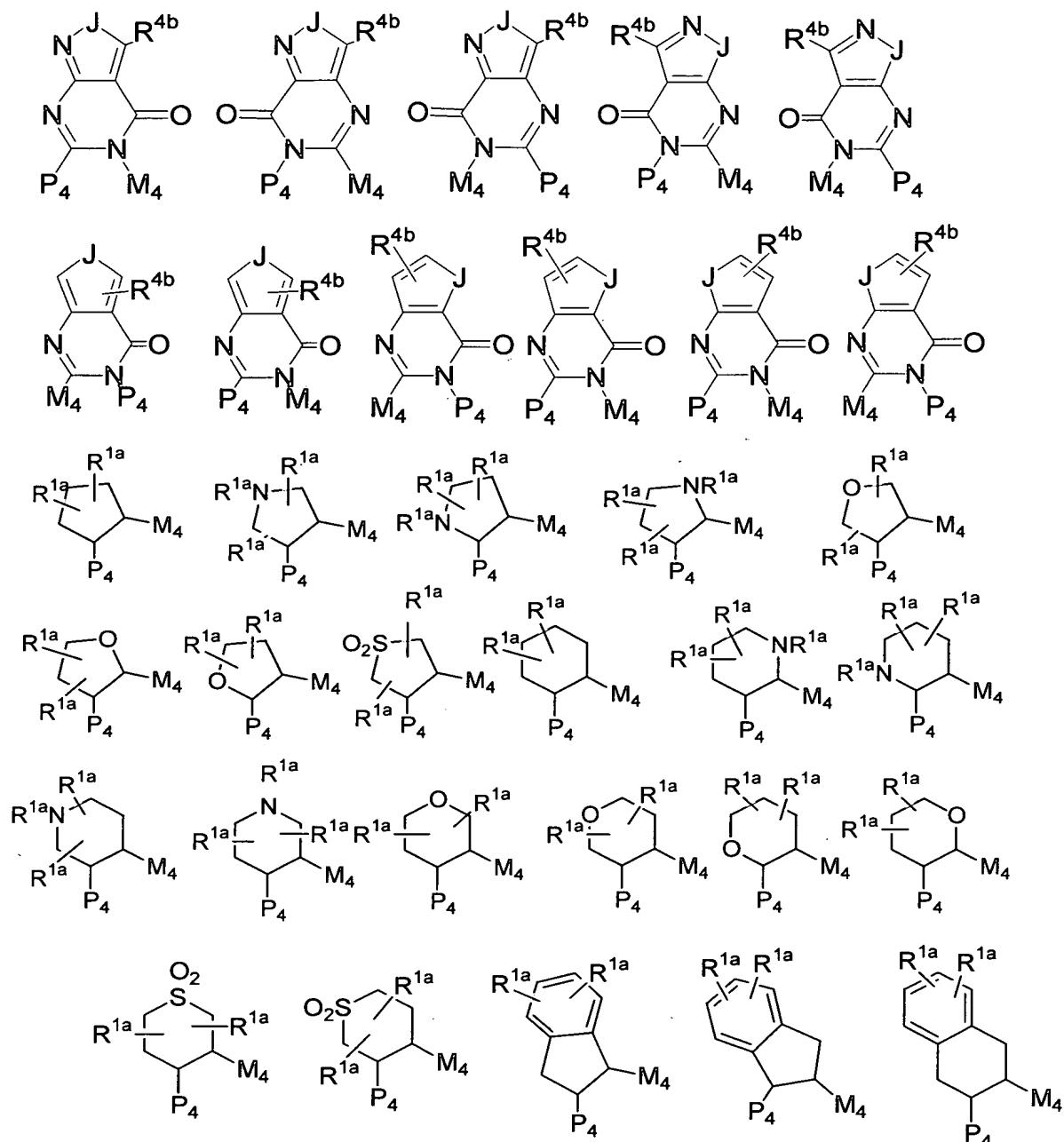
11. A compound according to Claim 10, wherein the compound is selected from:











5

J is selected from O, S, NH, and NR<sup>1a</sup>;

[00673] G is selected from: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,

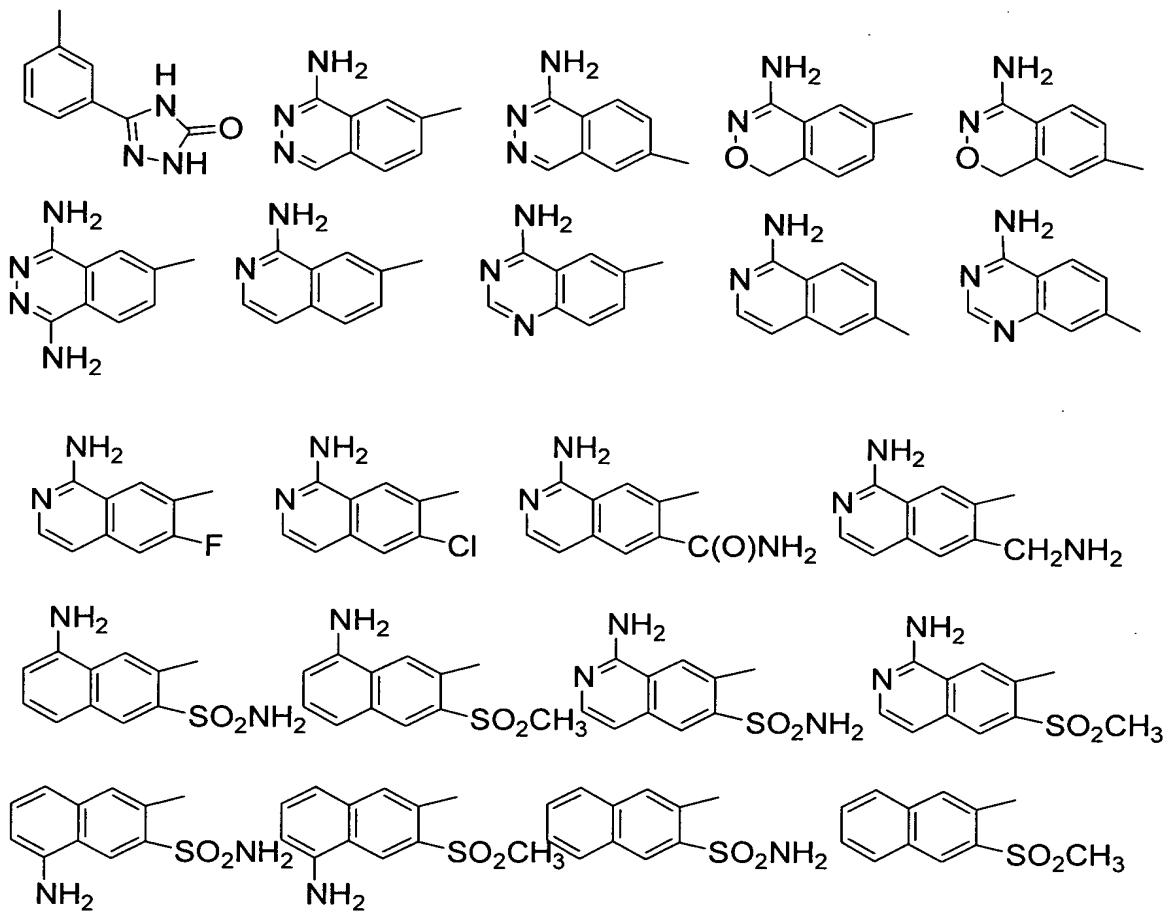
2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,

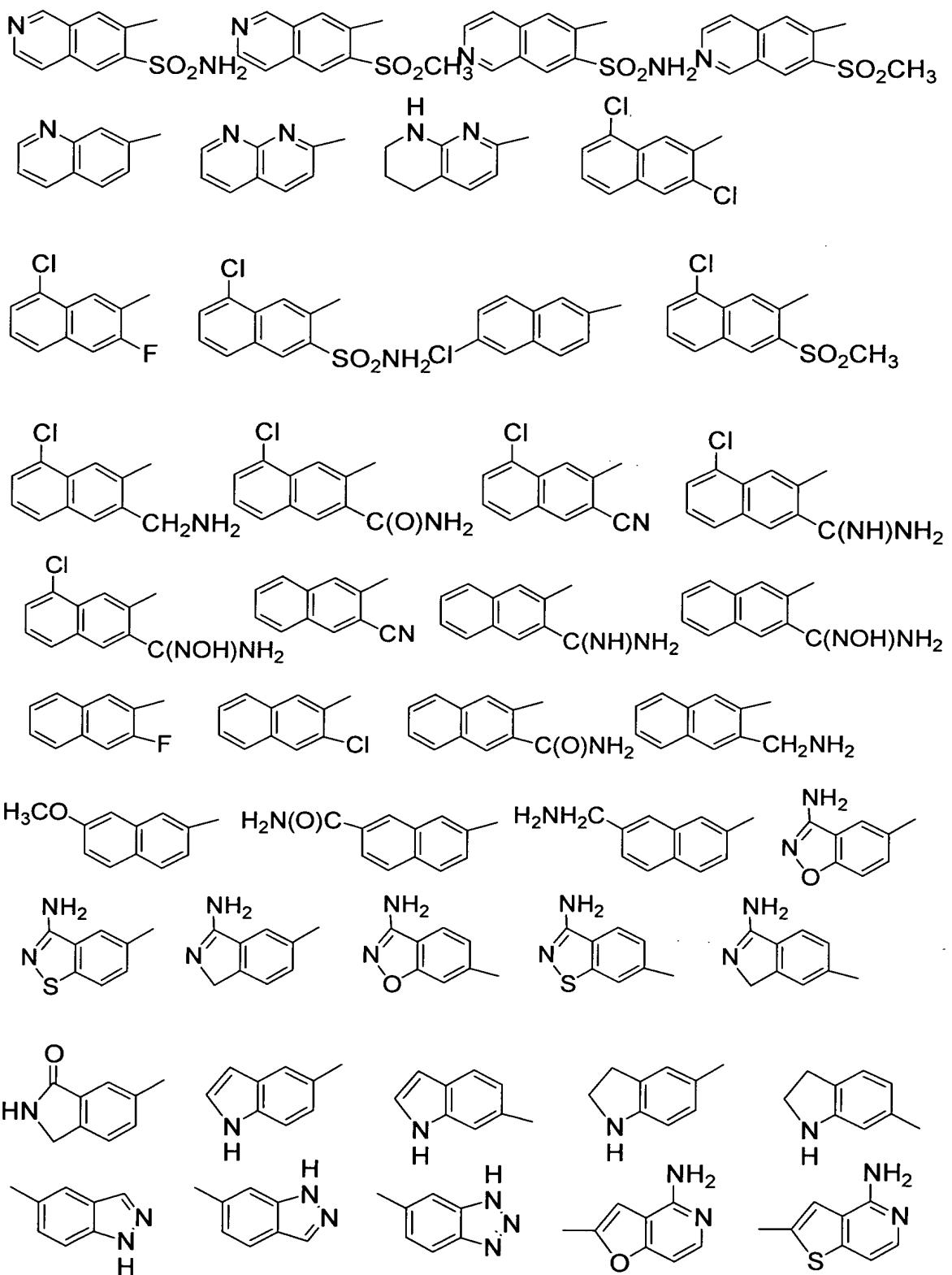
2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl,

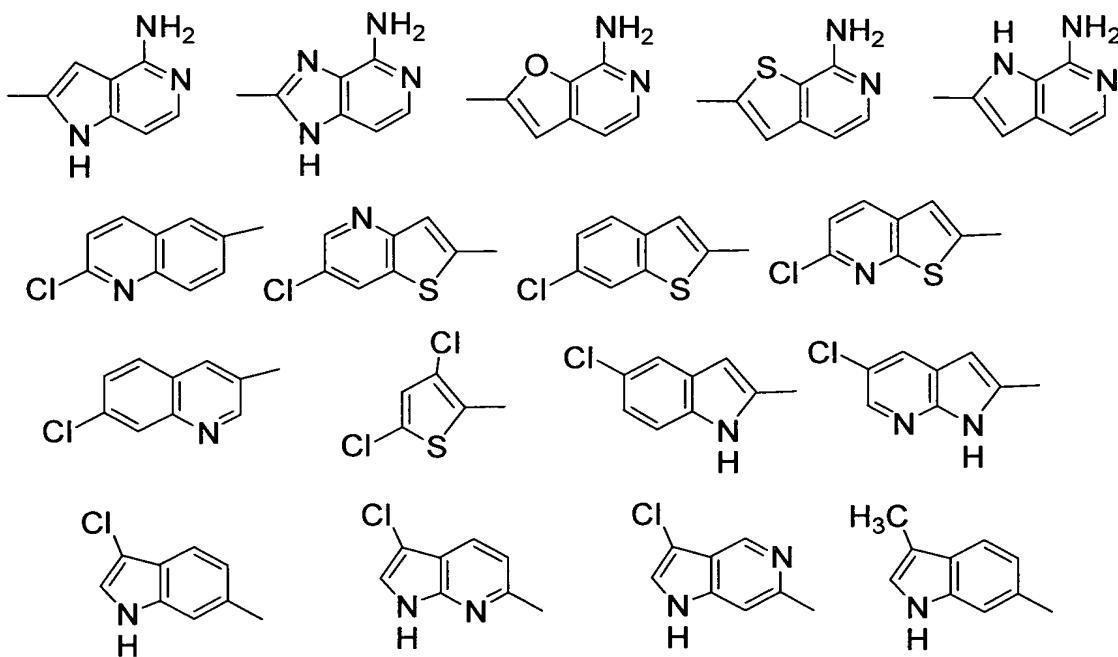
10 2-aminomethyl-5-methoxy-phenyl, 2-aminomethyl-6-fluoro-phenyl,

2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,

2-amino-sulfonyl-phenyl, 2-methylsulfonyl-phenyl,  
 3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl,  
 3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amido-phenyl,  
 3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-phenyl,  
 5 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl,  
 4-amino-5-chloro-thien-2-yl, 4-chloro-phenyl, 4-methoxy-2-methylsulfonyl-phenyl,  
 4-methoxy-phenyl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl,  
 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl,  
 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,  
 10 6-amino-pyrid-2-yl,





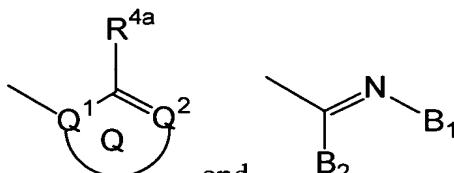


$G_1$  is absent or is selected from  $\text{CH}_2$ ,  $\text{CH}_2\text{CH}_2$ ,  $\text{CH}_2\text{O}$ ,  $\text{OCH}_2$ ,  $\text{NH}$ ,  $\text{CH}_2\text{NH}$ ,

$\text{NHCH}_2$ ,  $\text{CH}_2\text{C(O)}$ ,  $\text{C(O)CH}_2$ ,  $\text{C(O)NH}$ ,  $\text{NHC(O)}$ ,  $\text{CH}_2\text{S(O)}_2$ ,  $\text{S(O)}_2(\text{CH}_2)$ ,  $\text{SO}_2\text{NH}$ , and  $\text{NHSO}_2$ , wherein the right side of  $G_1$  is attached to  $G$ , provided that  $G_1$  does not

5 form a N-S,  $\text{NCH}_2\text{N}$ ,  $\text{NCH}_2\text{O}$ , or  $\text{NCH}_2\text{S}$  bond with either group to which it is attached;

$A$  is selected from cyclohexyl, indolinyl, phenyl, pyridyl, and pyrimidyl, and is substituted with 0-2  $R^4$ ;



$B$  is selected from and ; provided that  $Z$  and  $B$

10 are attached to different atoms on  $A$  and that the  $R^{4a}$  shown is other than OH;

ring  $Q$  is a 5-6 membered ring consisting of, in addition to the  $\text{N}-\text{CR}^{4a}=\text{N}$  group shown, carbon atoms and 0-1 heteroatoms selected from N, O, and  $\text{S(O)}_p$ , and the ring is substituted with an additional 0-2  $R^{4a}$ ;

$B_1$  is selected from  $\text{SO}_2\text{R}^{3b}$  and  $\text{OR}^2$ ;

15  $B_2$  is  $\text{NR}^2\text{R}^{2d}$ ;

alternatively,  $\text{NR}^2\text{R}^{2d}$  forms a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-1  $\text{R}^{4b}$ ;

alternatively,  $\text{B}_1$  and  $\text{R}^{2d}$  combine to form a 5 membered ring consisting of:  
 5 carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)<sub>p</sub>, and this ring is substituted with 0-2  $\text{R}^{4b}$  and the  $\text{R}^2$  group of  $\text{NR}^2\text{R}^{2d}$ , in addition to the groups recited below, can be  $\text{SO}_2\text{R}^{3b}$ ;

$\text{R}^{1a}$ , at each occurrence, is selected from H,  $\text{R}^{1b}$ ,  $\text{CH}(\text{CH}_3)\text{R}^{1b}$ ,  $\text{C}(\text{CH}_3)_2\text{R}^{1b}$ , and  $\text{CH}_2\text{R}^{1b}$ , provided that  $\text{R}^{1a}$  forms other than an N-halo, N-S, or N-CN bond;

10  $\text{R}^{1b}$  is selected from  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ , F, Cl, Br, -CN,  $\text{CF}_3$ ,  $\text{OR}^2$ ,  $\text{NR}^2\text{R}^{2a}$ ,  $\text{C}(\text{O})\text{R}^{2b}$ ,  $\text{CO}_2\text{R}^{2b}$ ,  $\text{CO}_2\text{R}^{2a}$ ,  $\text{S}(\text{O})_p\text{R}^{2b}$ ,  $\text{C}(\text{O})\text{NR}^2\text{R}^{2a}$ ,  $\text{SO}_2\text{NR}^2\text{R}^{2a}$ ,  $\text{NR}^2\text{SO}_2\text{R}^2$ , and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and substituted with 0-2  $\text{R}^{4b}$ , provided that  $\text{R}^{1b}$  forms other than an O-O, N-halo, N-S, or N-CN bond;  
 15

$\text{R}^2$ , at each occurrence, is selected from H,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  $\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $\text{CH}(\text{CH}_3)_2$ , phenyl substituted with 0-1  $\text{R}^{4b}$ , benzyl substituted with 0-1  $\text{R}^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1  $\text{R}^{4b}$ ;

20  $\text{R}^{2a}$ , at each occurrence, is selected from H,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  $\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $\text{CH}(\text{CH}_3)_2$ , benzyl substituted with 0-1  $\text{R}^{4b}$ , phenyl substituted with 0-1  $\text{R}^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1  $\text{R}^{4b}$ ;

25 alternatively,  $\text{NR}^2\text{R}^{2d}$  forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1  $\text{R}^{4b}$  and consisting of: carbon atoms, the nitrogen atom to which  $\text{R}^2$  and  $\text{R}^{2a}$  are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

$\text{R}^{2b}$ , at each occurrence, is selected from  $\text{OCH}_3$ ,  $\text{OCH}_2\text{CH}_3$ ,  $\text{OCH}_2\text{CH}_2\text{CH}_3$ ,  $\text{OCH}(\text{CH}_3)_2$ ,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  $\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $\text{CH}(\text{CH}_3)_2$ , benzyl substituted with 0-1

$R^{4b}$ , phenyl substituted with 0-1  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^{4b}$ ;

$R^{2c}$ , at each occurrence, is selected from OH,  $OCH_3$ ,  $OCH_2CH_3$ ,

5       $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl substituted with 0-1  $R^{4b}$ , phenyl substituted with 0-1  $R^{4b}$ , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^{4b}$ ;

$R^{2d}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $OCH_3$ , and

10     benzyl;

$R^{3b}$ , at each occurrence, is selected from H and  $CH_3$ ;

$R^4$ , at each occurrence, is selected from OH,  $OR^2$ ,  $CH_2OR^2$ ,  $(CH_2)_2OR^2$ , F, Br, Cl, I,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  
 $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $(CH_2)_2NR^2R^{2a}$ ,  
15      $CF_3$ , and  $CF_2CF_3$ ;

$R^{4a}$ , at each occurrence, is selected from H,  $OR^2$ ,  $CH_2OR^2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  
 $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  
 $C(CH_3)_3$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  
 $NR^2SO_2R^5$ , phenyl substituted with 0-1  $R^5$ , and a 5-6 membered heterocycle

20     consisting of: carbon atoms and 1 heteroatom selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-1  $R^5$ ;

$R^{4b}$ , at each occurrence, is selected from H, =O,  $OR^3$ ,  $CH_2OR^3$ , F, Cl,  $CH_3$ ,

$CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , -CN,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  
 $C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,

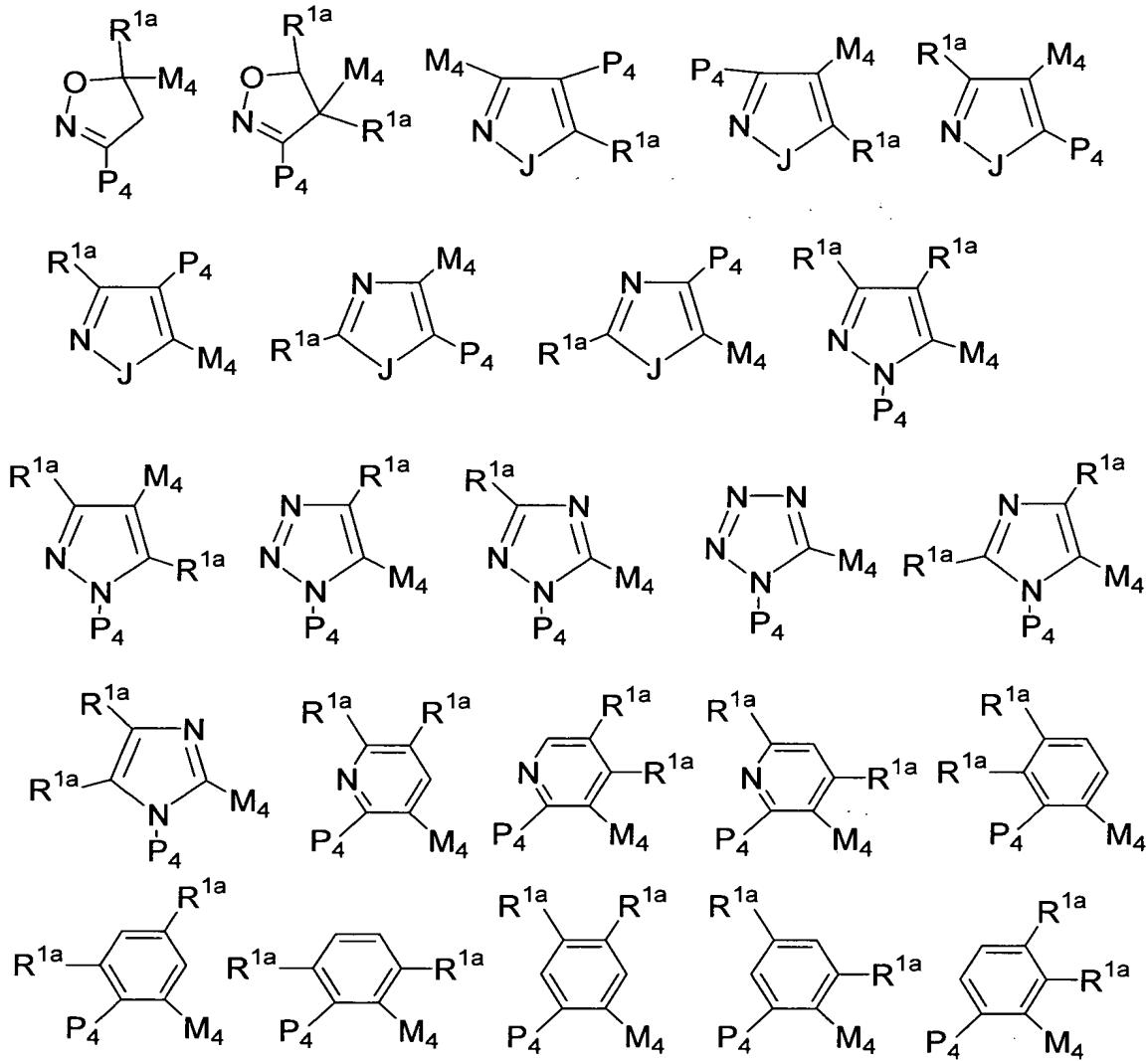
25      $NR^3SO_2$ -phenyl,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl, and  $CF_3$ ;

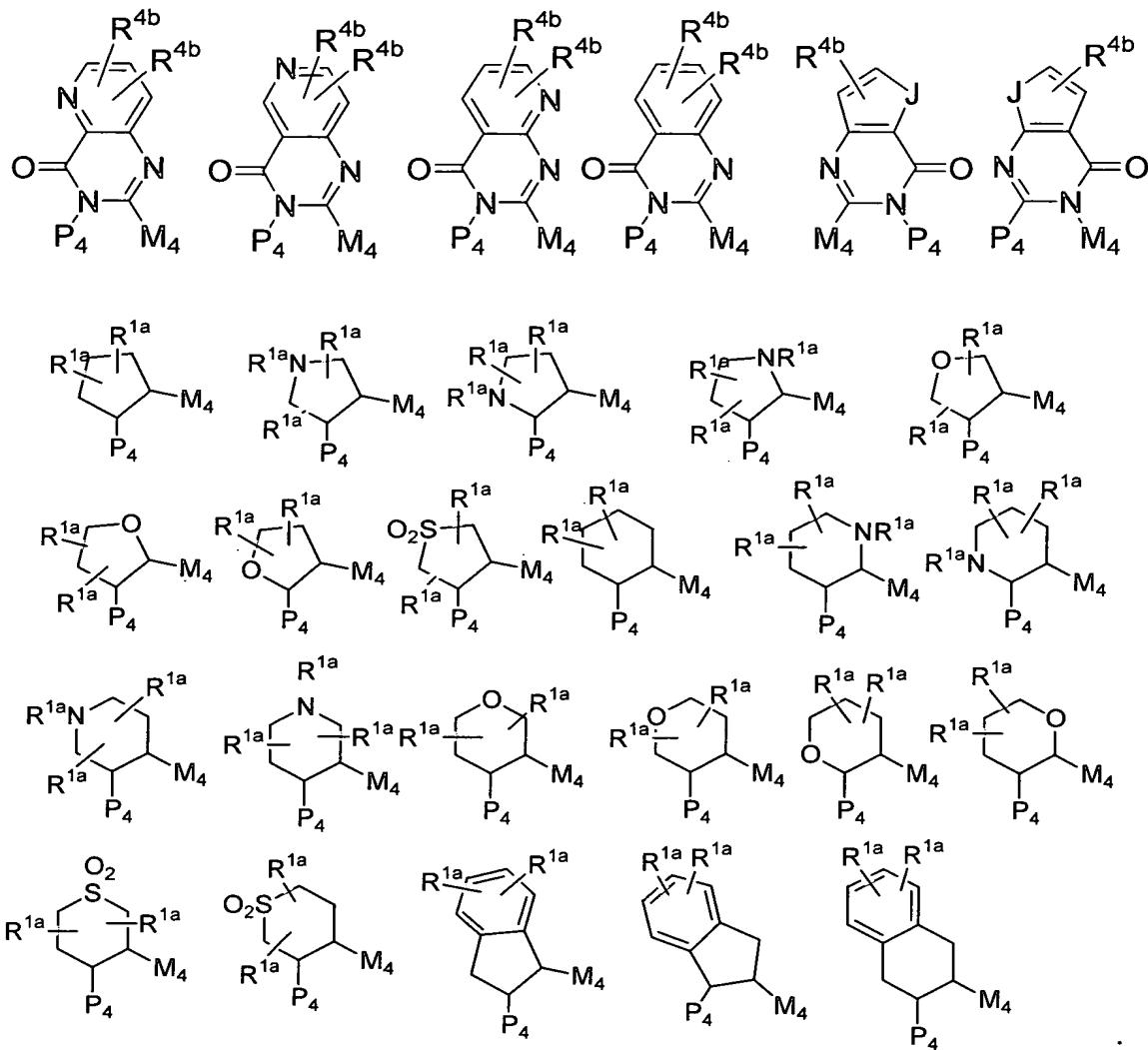
$R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,

$CH(CH_3)_2$ ,  $OR^3$ ,  $NR^3R^{3a}$ ,  $C(O)R^3$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ , and  
phenyl substituted with 0-2  $R^6$ ; and,

$R^6$ , at each occurrence, is selected from H, OH, OR<sup>2</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CH<sub>2</sub>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, and SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>.

5 12. A compound according to Claim 11, wherein the compound is selected from:





J is selected from O, S, NH, and NR<sup>1a</sup>;

5 P<sub>4</sub> is -G;

M<sub>4</sub> is -Z-A-B;

[00674] G is selected from: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,

2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,

2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-6-fluoro-phenyl,

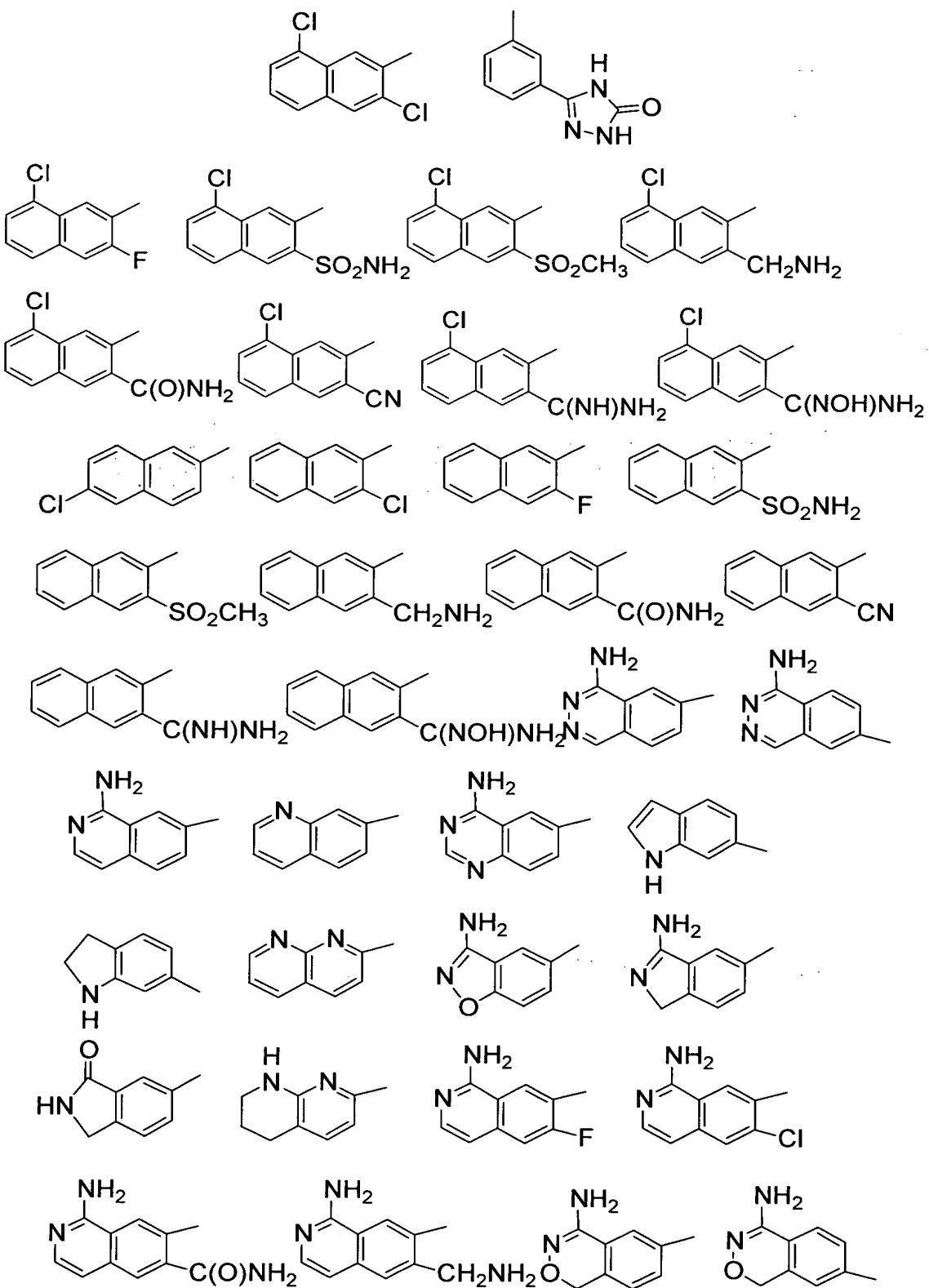
10 2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,

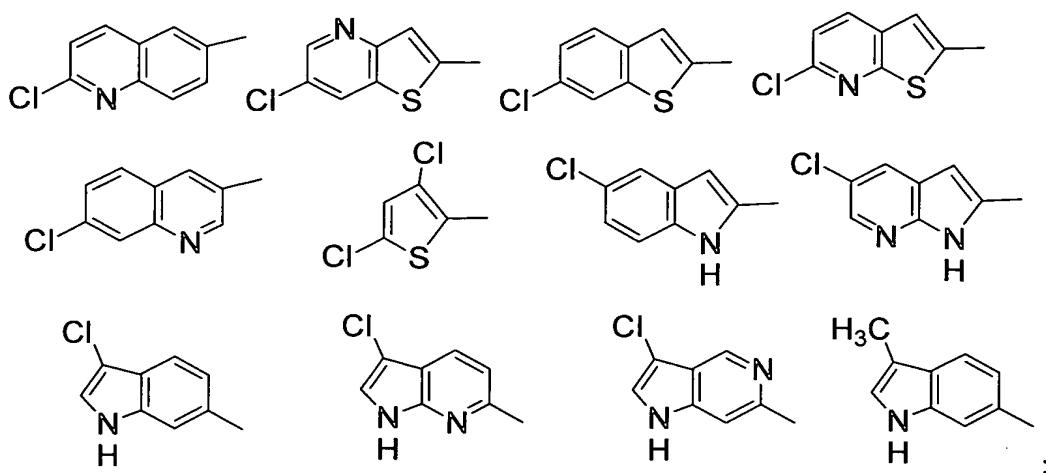
2-aminosulfonyl-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl,

3-aminomethyl-phenyl, 3-chloro-phenyl, 4-chloro-phenyl, 4-methoxy-phenyl,

5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,

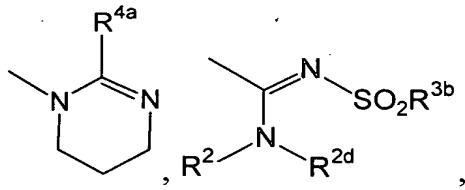
6-amino-pyrid-2-yl,



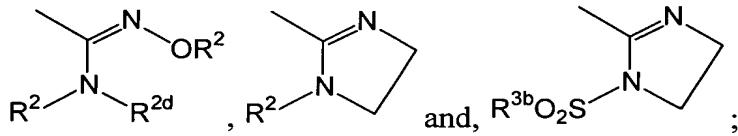


A is selected from the group: cyclohexyl, piperidinyl indolinyl, phenyl, 2-pyridyl, 3-pyridyl, 2-pyrimidyl, 2-Cl-phenyl, 3-Cl-phenyl, 2-F-phenyl, 3-F-phenyl, 2-methylphenyl, 2-aminophenyl, and 2-methoxyphenyl;

5        B, provided that Z and B are attached to different atoms on A and that the R<sup>4a</sup>



shown is other than OH, is selected from:



alternatively, NR<sup>2</sup>R<sup>2d</sup> combines to form a ring selected from morpholine, piperazine, piperidine, and pyrrolidine;

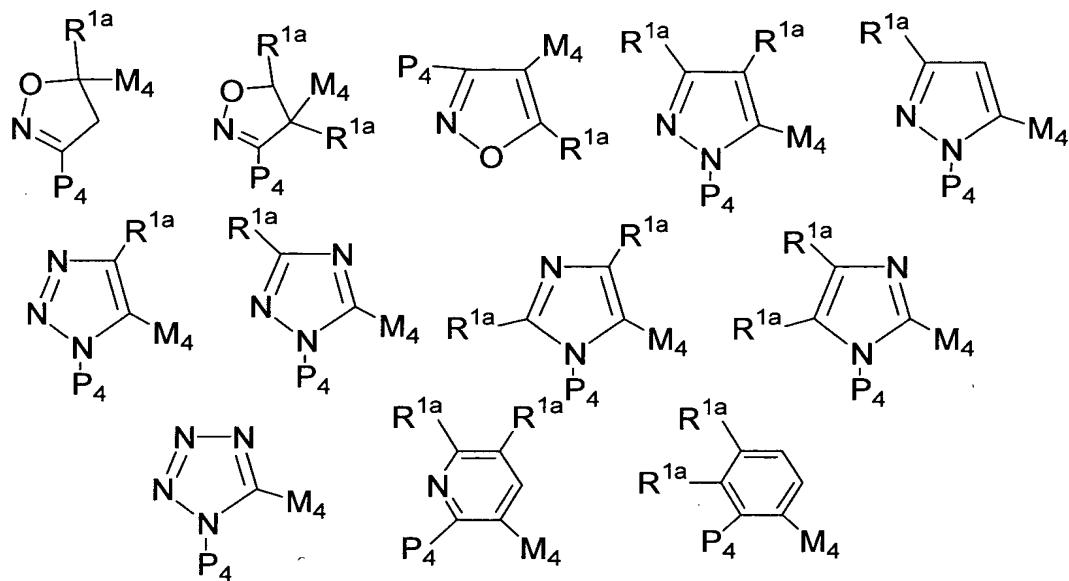
10        R<sup>1a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>F, CH<sub>2</sub>Cl, Br, CH<sub>2</sub>Br, -CN, CH<sub>2</sub>CN, CF<sub>3</sub>, CH<sub>2</sub>CF<sub>3</sub>, OCH<sub>3</sub>, CH<sub>2</sub>OH, C(CH<sub>3</sub>)<sub>2</sub>OH, CH<sub>2</sub>OCH<sub>3</sub>, NH<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, NHCH<sub>3</sub>, CH<sub>2</sub>NHCH<sub>3</sub>, N(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, CO<sub>2</sub>H, COCH<sub>3</sub>, CO<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CO<sub>2</sub>CH<sub>3</sub>, SCH<sub>3</sub>, CH<sub>2</sub>SCH<sub>3</sub>, S(O)CH<sub>3</sub>, CH<sub>2</sub>S(O)CH<sub>3</sub>, S(O)<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>S(O)<sub>2</sub>CH<sub>3</sub>, C(O)NH<sub>2</sub>, CH<sub>2</sub>C(O)NH<sub>2</sub>, SO<sub>2</sub>NH<sub>2</sub>,

15        CH<sub>2</sub>SO<sub>2</sub>NH<sub>2</sub>, NSO<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>NHSO<sub>2</sub>CH<sub>3</sub>, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyridin-2-yl-N-oxide, pyridin-3-yl-N-oxide, pyridin-4-yl-N-oxide, imidazol-1-yl, CH<sub>2</sub>-imidazol-1-yl, 4-methyl-oxazol-2-yl, 4-N,N-dimethylaminomethyl-oxazol-2-yl, 1,2,3,4-tetrazol-1-yl, 1,2,3,4-tetrazol-5-yl, CH<sub>2</sub>-1,2,3,4-tetrazol-1-yl, and CH<sub>2</sub>-

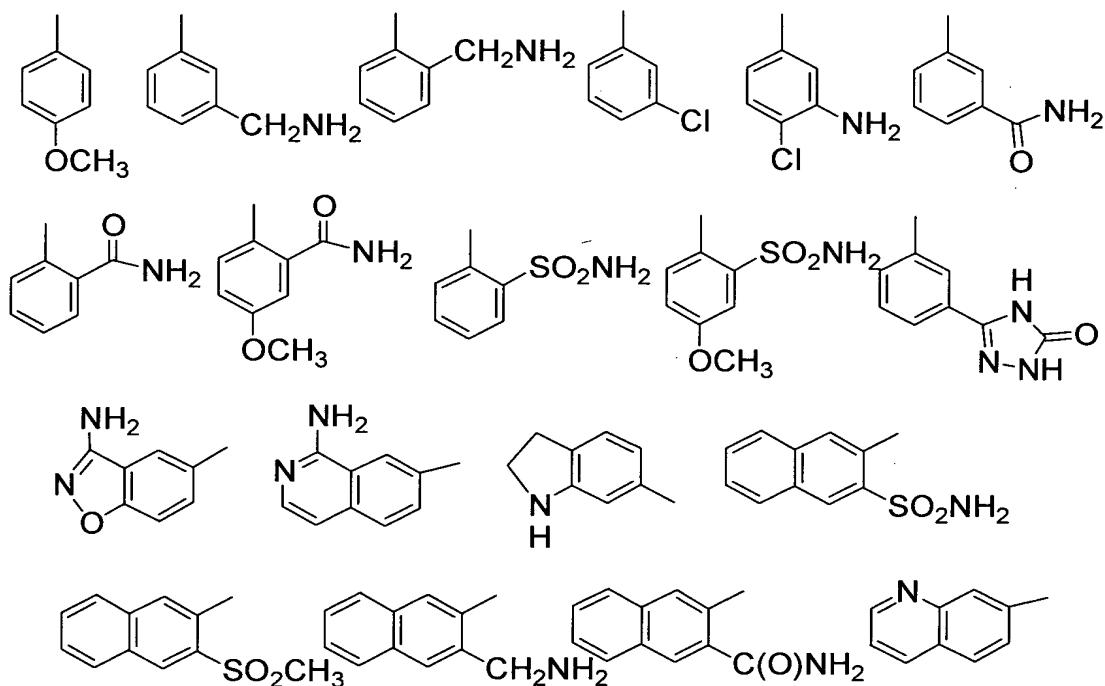
1,2,3,4-tetrazol-5-yl, provided that R<sup>1a</sup> forms other than an N-halo, N-S, or N-CN bond;

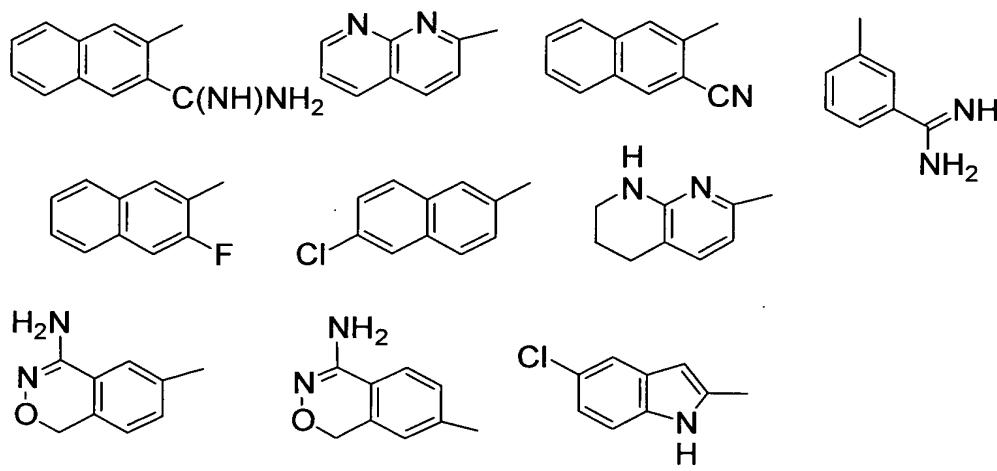
- R<sup>2</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, phenyl substituted with 0-1 R<sup>4b</sup>, benzyl substituted with 0-1 R<sup>4b</sup>, and 5 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-1 R<sup>4b</sup>;
- 5 R<sup>2a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;
- 10 alternatively, NR<sup>2</sup>R<sup>2a</sup> forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1 R<sup>4b</sup> and consisting of: carbon atoms, the nitrogen atom to which R<sup>2</sup> and R<sup>2a</sup> are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;
- 15 R<sup>2b</sup>, at each occurrence, is selected from OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;
- R<sup>2c</sup>, at each occurrence, is selected from OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>3</sub>, and 15 CH<sub>2</sub>CH<sub>3</sub>;
- R<sup>2d</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, OCH<sub>3</sub>;
- R<sup>4a</sup>, at each occurrence, is selected from H, OCH<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, NR<sup>2</sup>SO<sub>2</sub>R<sup>5</sup>, phenyl, 2-oxo-pyrrolidinyl, and 2-oxo-piperidinyl;
- 20 R<sup>4b</sup>, at each occurrence, is selected from H, =O, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>2</sub>CH<sub>3</sub>, S(O)<sub>2</sub>-phenyl, and CF<sub>3</sub>.
- R<sup>5</sup>, at each occurrence, is selected from CH<sub>3</sub> and CH<sub>2</sub>CH<sub>3</sub>.

25 13. A compound according to Claim 12, wherein the compound is selected from:

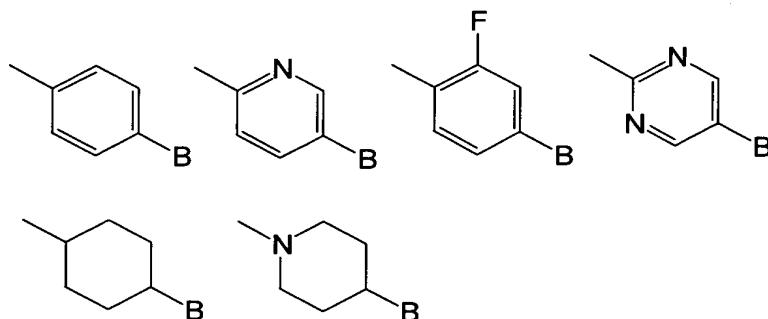


G is selected from:

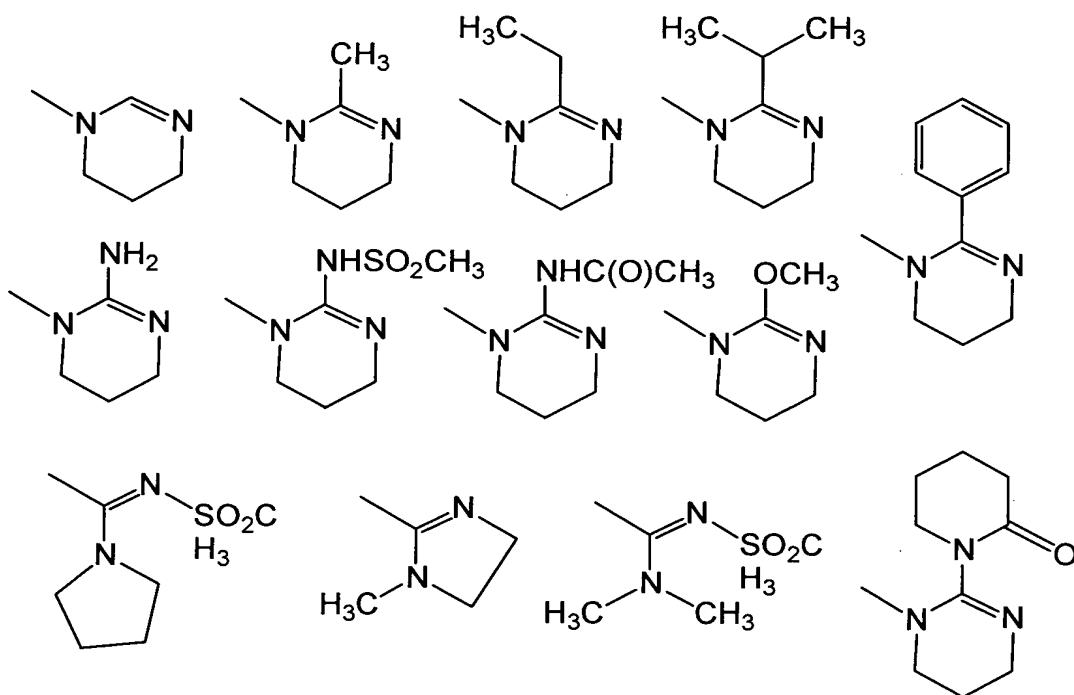


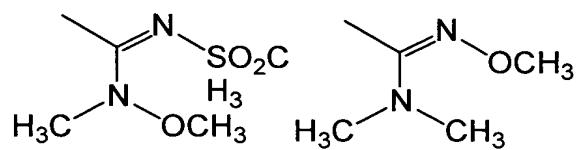


A is selected from:



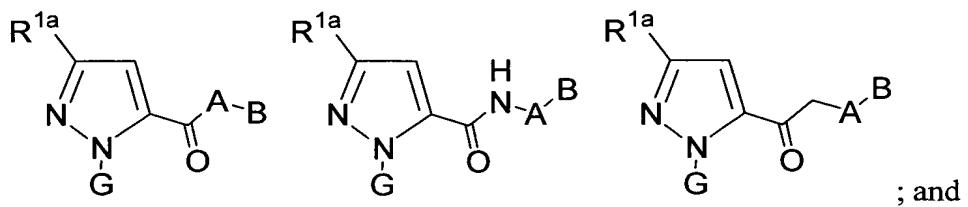
B is selected from:



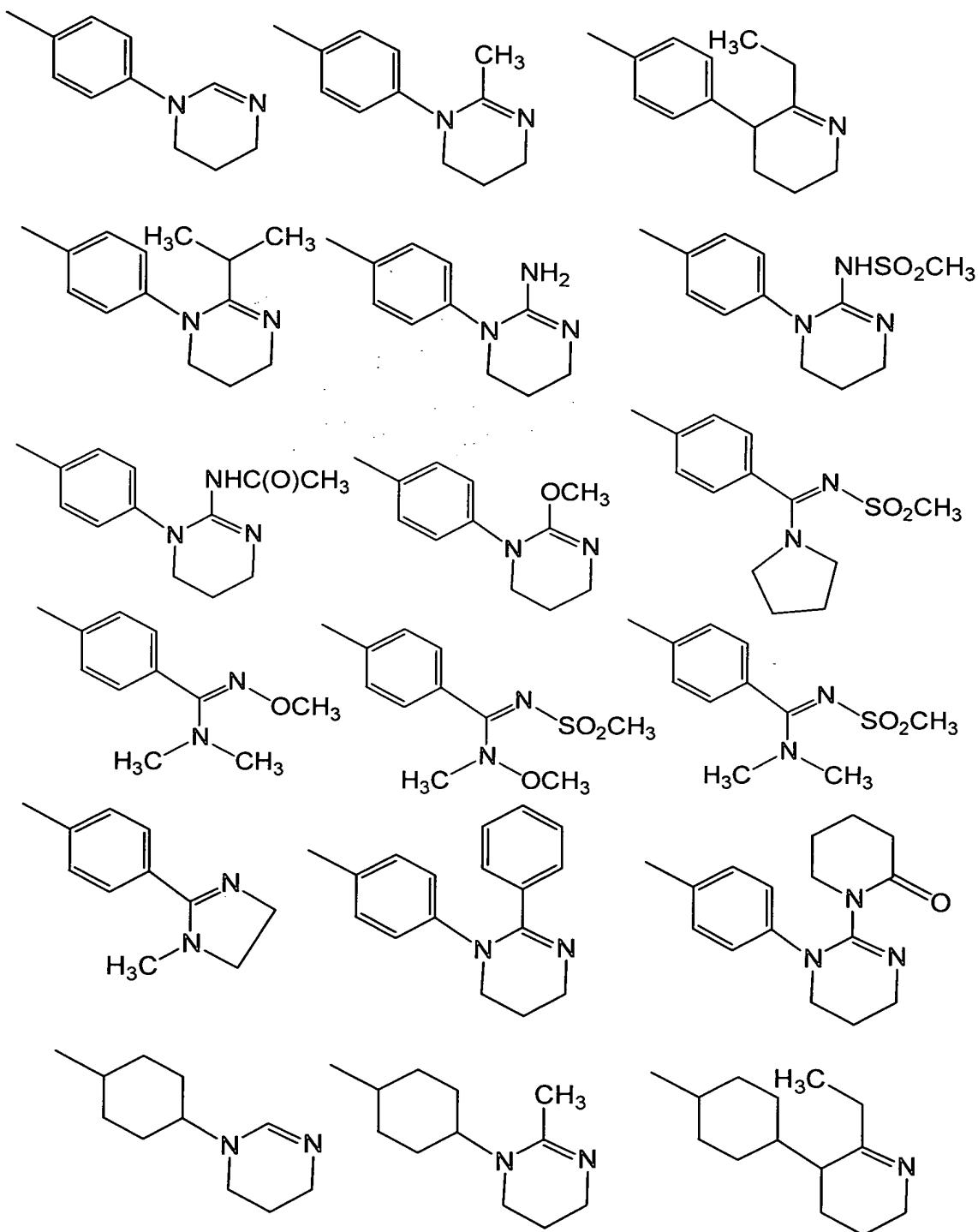


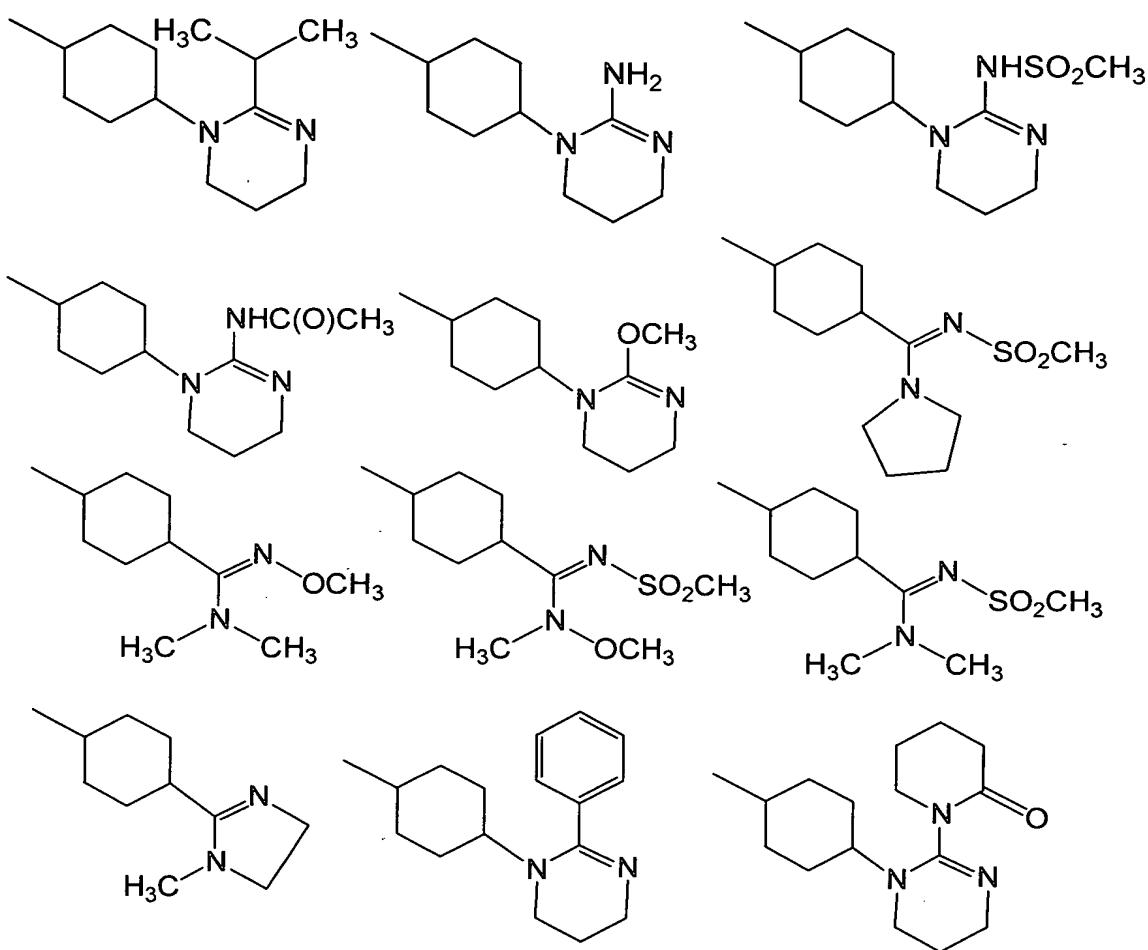
14. A compound according to Claim 13, wherein the compound is selected from:

5



A-B is selected from:





15. A compound according to Claim 1, wherein the compound is selected  
5 from the group:

5-chloro-N-(5-chloropyridin-2-yl)-2-[(4-{(Z)-  
(dimethylamino)[(methylsulfonyl)imino]methyl}benzoyl)amino]benzamide;  
N-(5-chloropyridin-2-yl)-2-[(4-{(Z)-(dimethylamino)  
[(methylsulfonyl)imino]methyl}benzoyl)amino]-5-methoxybenzamide;  
10 (1*R*, 2*S*)-3-chloro-1*H*-indole-6-carboxylic acid {2-[4-(N,N-dimethyl-N'-  
(methylsulfonyl)carbamimidoyl)-benzoylamino]-cyclohexyl}-amide;  
pyrrolidine-1,2-dicarboxylic acid 1-[(4-chloro-phenyl)-amide] 2-{[4-  
(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide};  
(R)-N2-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-N1-(4-  
15 chlorophenyl)pyrrolidine-1,2-dicarboxamide;

(R)-pyrrolidine-1,2-dicarboxylic acid 1-[(3-chloro-1H-indol-6-yl)-amide] 2-  
 {[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-amide};

(R)-pyrrolidine-1,2-dicarboxylic acid 1-[(5-chloro-thiophen-2-yl)-amide] 2-  
 {[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-amide};

5 (R)-pyrrolidine-1,2-dicarboxylic acid 1-[(6-chloro-pyridin-3-yl)-amide] 2- {[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-amide};

(Z)-5-chloro-thiophene-2-carboxylic acid {3-[4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-2-oxo-oxazolidin-5-ylmethyl}-amide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 10 oxooxazolidin-5-yl)methyl)-5-chlorothiophene-2-carboxamide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-3-chloro-1H-indole-5-carboxamide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-6-chloro-1H-indole-2-carboxamide;

15 N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-4-chlorobenzamide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-3-chloro-1H-indole-6-carboxamide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 20 oxooxazolidin-5-yl)methyl)-6-chloro-2-naphthamide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-6-chlorobenzo[b]thiophene-2-carboxamide;

N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-5-chlorobenzo[b]thiophene-2-carboxamide;

25 N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-  
 oxooxazolidin-5-yl)methyl)-5-chlorothieno[3,2-b]pyridine-2-carboxamide;

2-(3-amino-benzo[d]isoxazol-5-yl)-5-trifluoromethyl-2H-pyrazole-3-  
 carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide;

30 2-(4-methoxy-phenyl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide;

2-(3-aminomethyl-phenyl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid  
 [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide; and

2-(3-aminomethyl-4-fluoro-phenyl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide; or a pharmaceutically acceptable salt form thereof.

5        16. A compound according to Claim 1, wherein the compound is selected from the group:

N-hydroxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

10      N-hydroxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-methoxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

15      N-methoxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

20      6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(imino-piperidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(imino-morpholin-4-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

25      4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-ethyl-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

30      N,N-diethyl-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-benzyl-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

6-[4-(N,N-dimethyl-carbamimidoyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

5 4-[1-(4-methoxy-phenyl)-3-methyl-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-methyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

10 4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-3-isopropenyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

15 4-[3-isopropenyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

4-[1-(3-aminomethyl-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

4-[1-(3-aminomethyl-4-fluoro-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

20 2-(3-amino-benzo[d]isoxazol-5-yl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(N,N-dimethyl-carbamimidoyl)-phenyl]-amide;

2-(3-amino-benzo[d]isoxazol-5-yl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-amide;

25 2-(3-amino-benzo[d]isoxazol-5-yl)-5-methyl-2H-pyrazole-3-carboxylic acid [4-(N,N-dimethyl-carbamimidoyl)-phenyl]-amide;

2-(3-amino-benzo[d]isoxazol-5-yl)-5-methyl-2H-pyrazole-3-carboxylic acid [4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-amide;

30 6-[4-(imino-isoxazolidin-2-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-methyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one; and

6-[4-(imino-isoxazolidin-2-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one; or a pharmaceutically acceptable salt form thereof.

5        17. A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound of Claim 1 or a pharmaceutically acceptable salt form thereof.

10      18. A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound of Claim 1 or a pharmaceutically acceptable salt form thereof.

15      19. A method according to Claim 18, wherein the thromboembolic disorder is selected from the group consisting of arterial cardiovascular thromboembolic disorders, venous cardiovascular thromboembolic disorders, and thromboembolic disorders in the chambers of the heart.

20      20. A method according to Claim 18, wherein the thromboembolic disorder is selected from unstable angina, an acute coronary syndrome, first myocardial infarction, recurrent myocardial infarction, ischemic sudden death, transient ischemic attack, stroke, atherosclerosis, peripheral occlusive arterial disease, venous thrombosis, deep vein thrombosis, thrombophlebitis, arterial embolism, coronary arterial thrombosis, cerebral arterial thrombosis, cerebral embolism, kidney embolism, pulmonary embolism, and thrombosis resulting from (a) prosthetic valves or other implants, (b) indwelling catheters, (c) stents, (d) cardiopulmonary bypass, (e) hemodialysis, or (f) other procedures in which blood is exposed to an artificial surface that promotes thrombosis.

25      21. A method for treating a thromboembolic disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a first and second therapeutic agent, wherein the first therapeutic agent is compound of Claim 1 or a pharmaceutically acceptable salt thereof and the second therapeutic agent

is at least one agent selected from a second factor Xa inhibitor, an anti-coagulant agent, an anti-platelet agent, a thrombin inhibiting agent, a thrombolytic agent, and a fibrinolytic agent.